# SAFETY DATA SHEET

# **Toplac Squall Blue**

## Section 1. Identification

GHS product identifier Product code : Toplac Squall Blue

: YKA923

#### Relevant identified uses of the substance or mixture and uses advised against

| Identified uses                                                                   |        |  |
|-----------------------------------------------------------------------------------|--------|--|
| Consumer application of coatings<br>Professional application of coatings and inks |        |  |
| Uses advised against                                                              | Reason |  |
| All Other Uses                                                                    |        |  |
| Supplier's details : International Paint (PTY) Ltd                                |        |  |

|                                                            | 1 Paints Place<br>Dickens Road<br>Umbogintwini<br>KZN 1426,<br>South Africa<br>Tel: +27 31 904 8000 |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|                                                            | +27 31 904 8000 (24hr)                                                                              |
| Emergency telephone<br>number (with hours of<br>operation) | : 10177 (For use only by licensed medical professionals.)                                           |
| e-mail address of person responsible for this SDS          | : sdsfellinguk@akzonobel.com                                                                        |

## Section 2. Hazards identification

| Classification of the substance or mixture | <ul> <li>AMMABLE LIQUIDS - Category 3</li> <li>SKIN SENSITIZATION - Category 1</li> <li>CARCINOGENICITY - Category 2</li> <li>TOXIC TO REPRODUCTION (Fertility) - Category 2</li> <li>TOXIC TO REPRODUCTION (Unborn child) - Category 2</li> </ul> |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GHS label elements<br>Hazard pictograms    |                                                                                                                                                                                                                                                    |
| Signal word                                | : 🕅 arning                                                                                                                                                                                                                                         |
| Hazard statements                          | <ul> <li>Fammable liquid and vapour.</li> <li>May cause an allergic skin reaction.</li> <li>Suspected of damaging fertility or the unborn child.</li> <li>Suspected of causing cancer.</li> </ul>                                                  |
| Procautionary statements                   |                                                                                                                                                                                                                                                    |

**Precautionary statements** 



### Section 2. Hazards identification

| General                     | : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prevention                  | : Debtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid breathing vapour. Contaminated work clothing should not be allowed out of the workplace. |
| Response                    | : F exposed or concerned: Get medical attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention.                                                                                                                                                                                                                                                                                     |
| Storage                     | : Store locked up. Store in a well-ventilated place. Keep cool.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Disposal                    | : Dispose of contents and container in accordance with all local, regional, national and international regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supplemental label elements | : Wear appropriate respirator when ventilation is inadequate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Other bazarde which do not  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Other hazards which do not : None known. result in classification

### Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

| Ingredient name                         | % by weight | CAS number | Classification                                                                                      |
|-----------------------------------------|-------------|------------|-----------------------------------------------------------------------------------------------------|
| Maphtha (petroleum), hydrotreated heavy | ≥25 - ≤50   | 64742-48-9 | Asp. Tox. 1, H304                                                                                   |
| 2-ethylhexanoic acid, zirconium salt    | ≤1          | 22464-99-9 | Repr. 2, H361fd (Fertility and<br>Unborn child) (oral)                                              |
| 2-butanone oxime                        | ≤0.3        | 96-29-7    | Flam. Liq. 4, H227<br>Acute Tox. 4, H312<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Carc. 2, H351 |

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

- Eye contact
- : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

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# Section 4. First aid measures

| Inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>If not breathing, if breathing is irregular or if respiratory arrest occurs, provide<br>artificial respiration or oxygen by trained personnel. It may be dangerous to the<br>person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If<br>unconscious, place in recovery position and get medical attention immediately.<br>Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or<br>waistband.                                                                                                                                                                                                                              |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin contact | : Wash with plenty of soap and water. Remove contaminated clothing and shoes.<br>Wash contaminated clothing thoroughly with water before removing it, or wear<br>gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the<br>event of any complaints or symptoms, avoid further exposure. Wash clothing<br>before reuse. Clean shoes thoroughly before reuse.                                                                                                                                                                                                                                                                                                                                                                                     |
| Ingestion    | : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air<br>and keep at rest in a position comfortable for breathing. If material has been<br>swallowed and the exposed person is conscious, give small quantities of water to<br>drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not<br>induce vomiting unless directed to do so by medical personnel. If vomiting occurs,<br>the head should be kept low so that vomit does not enter the lungs. Get medical<br>attention. Never give anything by mouth to an unconscious person. If unconscious,<br>place in recovery position and get medical attention immediately. Maintain an open<br>airway. Loosen tight clothing such as a collar, tie, belt or waistband. |

#### Most important symptoms/effects, acute and delayed

| Potential acute health       | effects                                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact                  | : No known significant effects or critical hazards.                                                                                                                                                                                                  |
| Inhalation                   | : No known significant effects or critical hazards.                                                                                                                                                                                                  |
| Skin contact                 | : May cause an allergic skin reaction.                                                                                                                                                                                                               |
| Ingestion                    | : No known significant effects or critical hazards.                                                                                                                                                                                                  |
| <u>Over-exposure signs/s</u> | <u>ymptoms</u>                                                                                                                                                                                                                                       |
| Eye contact                  | : No specific data.                                                                                                                                                                                                                                  |
| Inhalation                   | <ul> <li>Adverse symptoms may include the following:<br/>headache<br/>drowsiness/fatigue<br/>dizziness/vertigo<br/>muscle weakness<br/>unconsciousness<br/>reduced foetal weight<br/>increase in foetal deaths<br/>skeletal malformations</li> </ul> |
| Skin contact                 | : Adverse symptoms may include the following:<br>irritation<br>redness<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations                                                                                               |
| Ingestion                    | : Adverse symptoms may include the following:<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations                                                                                                                        |
| Indication of immediate      | medical attention and special treatment needed, if necessary                                                                                                                                                                                         |
| Notes to physician           | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.                                                                                                                          |
| Specific treatments          | : No specific treatment.                                                                                                                                                                                                                             |
|                              |                                                                                                                                                                                                                                                      |



### Section 4. First aid measures

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

#### See toxicological information (Section 11)

### **Section 5. Firefighting measures**

| Extinguishing media                            |                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                   | : Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.                                                                                                                                                                                                                                                     |
| Unsuitable extinguishing media                 | : Do not use water jet.                                                                                                                                                                                                                                                                                              |
| Specific hazards arising from the chemical     | Fammable liquid and vapour. In a fire or if heated, a pressure increase will occur<br>and the container may burst, with the risk of a subsequent explosion. Runoff to<br>sewer may create fire or explosion hazard.                                                                                                  |
| Hazardous thermal decomposition products       | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>metal oxide/oxides                                                                                                                                                                                             |
| Special protective actions for fire-fighters   | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Special protective equipment for fire-fighters | <ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained<br/>breathing apparatus (SCBA) with a full face-piece operated in positive pressure<br/>mode.</li> </ul>                                                                                                                      |

### Section 6. Accidental release measures

| Personal precautions, protect  | tiv | e equipment and emergency procedures                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For non-emergency<br>personnel | :   | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilt material. Shut off all ignition sources.<br>No flares, smoking or flames in hazard area. Avoid breathing vapour or mist.<br>Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>inadequate. Put on appropriate personal protective equipment. |
| For emergency responders       | :   | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".                                                                                                                                                                                                                                                                                    |
| Environmental precautions      | :   | Kvoid dispersal of spilt material and runoff and contact with soil, waterways, drains<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air).                                                                                                                                                                                                                                                                  |
| Methods and material for con   | tai | inment and cleaning up                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Small spill                    | :   | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an                                                                                                                                                                                                                                      |

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contractor.



appropriate waste disposal container. Dispose of via a licensed waste disposal



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### Section 6. Accidental release measures

Large spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and<br/>explosion-proof equipment. Approach the release from upwind. Prevent entry into<br/>sewers, water courses, basements or confined areas. Wash spillages into an<br/>effluent treatment plant or proceed as follows. Contain and collect spillage with non-<br/>combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth<br/>and place in container for disposal according to local regulations (see Section 13).<br/>Dispose of via a licensed waste disposal contractor. Contaminated absorbent<br/>material may pose the same hazard as the spilt product. Note: see Section 1 for<br/>emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

| Protective measures                                                | : | Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|--------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on general occupational hygiene                             | : | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Conditions for safe storage,<br>including any<br>incompatibilities | : | Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Vapours are heavier than air and may spread along floors. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### Section 8. Exposure controls/personal protection

#### Control parameters

#### **Occupational exposure limits**

| Ingredient name                         | Exposure limits<br>DOL OEL (South Africa, 8/1995).<br>TWA: 575 mg/m <sup>3</sup> 8 hours.<br>TWA: 100 ppm 8 hours.<br>STEL: 720 mg/m <sup>3</sup> 15 minutes.<br>STEL: 125 ppm 15 minutes. |  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Naphtha (petroleum), hydrotreated heavy |                                                                                                                                                                                            |  |
| titanium dioxide                        | DOL OEL (South Africa, 8/1995).<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Respirable<br>dust<br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: total<br>inhalable dust                          |  |



## Section 8. Exposure controls/personal protection

| Appropriate engineering controls | : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental exposure controls  | : Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process<br>equipment will be necessary to reduce emissions to acceptable levels.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Individual protection measu      | res                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hygiene measures                 | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Eye/face protection              | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Skin protection                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hand protection                  | : Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton® or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/ puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred. |
| Body protection                  | : Personal protective equipment for the body should be selected based on the task<br>being performed and the risks involved and should be approved by a specialist<br>before handling this product. When there is a risk of ignition from static electricity,<br>wear anti-static protective clothing. For the greatest protection from static<br>discharges, clothing should include anti-static overalls, boots and gloves.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Other skin protection            | : Appropriate footwear and any additional skin protection measures should be<br>selected based on the task being performed and the risks involved and should be<br>approved by a specialist before handling this product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Respiratory protection           | : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



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## Section 9. Physical and chemical properties

#### Appearance

| <u>, ppoulation</u>                          |                                                                                  |            |
|----------------------------------------------|----------------------------------------------------------------------------------|------------|
| Physical state                               | uid.                                                                             |            |
| Colour                                       | e.                                                                               |            |
| Odour                                        | vent.                                                                            |            |
| Odour threshold                              | t available.                                                                     |            |
| рН                                           | t applicable.                                                                    |            |
| Melting point                                | t available.                                                                     |            |
| Boiling point                                | west known value: 155 to 217°C (311 to 422.6°F)(Naphtha (p<br>Irotreated heavy). | etroleum), |
| Flash point                                  | osed cup: 43°C (109.4°F)                                                         |            |
| Evaporation rate                             | t available.                                                                     |            |
| Flammability (solid, gas)                    | t available.                                                                     |            |
| Lower and upper explosive (flammable) limits | eatest known range: Lower: 1.4% Upper: 7.6% (Naphtha (pe<br>Irotreated heavy)    | etroleum), |
| Vapour pressure                              | t available.                                                                     |            |
| Vapour density                               | t available.                                                                     |            |
| Relative density                             | 2                                                                                |            |
| Solubility                                   | oluble in the following materials: cold water.                                   |            |
| Partition coefficient: n-<br>octanol/water   | t available.                                                                     |            |
| Auto-ignition temperature                    | t available.                                                                     |            |
| Decomposition temperature                    | t available.                                                                     |            |
| Viscosity                                    | ematic (room temperature): 263 mm <sup>2</sup> /s (263 cSt)                      |            |
|                                              |                                                                                  |            |

# Section 10. Stability and reactivity

| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.                                                                              |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical stability                 | : The product is stable.                                                                                                                                                  |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                                                                                         |
| Conditions to avoid                | : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. |
| Incompatible materials             | : Reactive or incompatible with the following materials:<br>oxidizing materials                                                                                           |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced.                                                                    |
|                                    |                                                                                                                                                                           |

### Section 11. Toxicological information

#### Information on toxicological effects

Acute toxicity



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# Section 11. Toxicological information

| Beault      | Species | Deee                                      | Experies                                                          |
|-------------|---------|-------------------------------------------|-------------------------------------------------------------------|
| Result      | Species | Dose                                      | Exposure                                                          |
| LD50 Oral   | Rat     | 6000 mg/kg                                | -                                                                 |
|             |         | 0.0                                       |                                                                   |
| LD50 Dermal | Rabbit  | >5 g/kg                                   | -                                                                 |
|             |         |                                           |                                                                   |
| LD50 Oral   | Rat     | >5 a/ka                                   | -                                                                 |
|             | Rat     | 00                                        | -                                                                 |
|             |         | LD50 OralRatLD50 DermalRabbitLD50 OralRat | LD50 OralRat6000 mg/kgLD50 DermalRabbit>5 g/kgLD50 OralRat>5 g/kg |

#### Irritation/Corrosion

| Product/ingredient name | Result                 | Species | Score | Exposure           | Observation |
|-------------------------|------------------------|---------|-------|--------------------|-------------|
| -butanone oxime         | Eyes - Severe irritant | Rabbit  | -     | 100<br>microliters | -           |

#### **Sensitisation**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### Reproductive toxicity

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

| Name                                    | Result                         |
|-----------------------------------------|--------------------------------|
| Maphtha (petroleum), hydrotreated heavy | ASPIRATION HAZARD - Category 1 |

Information on likely routes : Not available.

of exposure

osure

| <b>Potential</b> | acute | health | effects |
|------------------|-------|--------|---------|
|                  |       |        |         |

| Eye contact  | : No known significant effects or critical hazards. |
|--------------|-----------------------------------------------------|
| Inhalation   | : No known significant effects or critical hazards. |
| Skin contact | : May cause an allergic skin reaction.              |
| Ingestion    | : No known significant effects or critical hazards. |

#### Symptoms related to the physical, chemical and toxicological characteristics

| Inhelation . Myorae examplement may include the                                                                                                                     | : No specific data. |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|--|
| Inhalation : Adverse symptoms may include the<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>muscle weakness<br>unconsciousness<br>reduced foetal weight | following:          |  |  |



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## Section 11. Toxicological information

|                | increase in foetal deaths skeletal malformations                                                                                                     |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin contact : | Adverse symptoms may include the following:<br>irritation<br>redness<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations |
| Ingestion :    | Adverse symptoms may include the following:<br>reduced foetal weight<br>increase in foetal deaths<br>skeletal malformations                          |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

| Short term exposure            |     |                                                                                                     |
|--------------------------------|-----|-----------------------------------------------------------------------------------------------------|
| Potential immediate<br>effects | :   | Not available.                                                                                      |
| Potential delayed effects      | :   | Not available.                                                                                      |
| <u>Long term exposure</u>      |     |                                                                                                     |
| Potential immediate<br>effects | :   | Not available.                                                                                      |
| Potential delayed effects      | :   | Not available.                                                                                      |
| Potential chronic health eff   | ect | <u>is</u>                                                                                           |
| Not available.                 |     |                                                                                                     |
| General                        | :   | Ønce sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity                | :   | Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.              |
| Mutagenicity                   | :   | No known significant effects or critical hazards.                                                   |
| Teratogenicity                 | :   | Suspected of damaging the unborn child.                                                             |
| Developmental effects          | :   | No known significant effects or critical hazards.                                                   |
| Fertility effects              | :   | Suspected of damaging fertility.                                                                    |

#### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

#### <u>Toxicity</u>

| Product/ingredient name | Result                                          | Species                    | Exposure |
|-------------------------|-------------------------------------------------|----------------------------|----------|
| -butanone oxime         | Acute LC50 843000 to 914000 µg/l<br>Fresh water | Fish - Pimephales promelas | 96 hours |

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**



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# Section 12. Ecological information

| Product/ingredient name                 | LogPow | BCF         | Potential |
|-----------------------------------------|--------|-------------|-----------|
| Maphtha (petroleum), hydrotreated heavy | -      | 10 to 2500  | high      |
| 2-ethylhexanoic acid, zirconium salt    | -      | 2.96        | low       |
| 2-butanone oxime                        | 0.63   | 5.011872336 | low       |

#### Mobility in soil

| Soil/water partition | : Not available. |
|----------------------|------------------|
| coefficient (Koc)    |                  |

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

| Disposal methods | : The generation of waste should be avoided or minimised wherever possible.<br>Disposal of this product, solutions and any by-products should at all times comply<br>with the requirements of environmental protection and waste disposal legislation<br>and any regional local authority requirements.<br>Dispose of surplus and non-recyclable products via a licensed waste disposal<br>contractor. Waste should not be disposed of untreated to the sewer unless fully<br>compliant with the requirements of all authorities with jurisdiction. Waste packaging<br>should be recycled. Incineration or landfill should only be considered when recycling<br>is not feasible. This material and its container must be disposed of in a safe way.<br>Care should be taken when handling emptied containers that have not been cleaned<br>or rinsed out. Empty containers or liners may retain some product residues.<br>Vapour from product residues may create a highly flammable or explosive<br>atmosphere inside the container. Do not cut, weld or grind used containers unless<br>they have been cleaned thoroughly internally. Avoid dispersal of spilt material and |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | runoff and contact with soil, waterways, drains and sewers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Section 14. Transport information

|                               | UN     | IMDG   | IATA   |
|-------------------------------|--------|--------|--------|
| UN number                     | UN1263 | UN1263 | UN1263 |
| UN proper<br>shipping name    | PAINT  | PAINT  | PAINT  |
| Transport hazard<br>class(es) | 3      | 3      | 3      |
| Packing group                 | Ш      |        | III    |
| Environmental<br>hazards      | No.    | No.    | No.    |
| Additional information        | -      |        |        |

IMDG Code Segregation : Not applicable. group



### Section 14. Transport information

| Oection 14. Mans                                                         |                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special precautions for user                                             | Transport within user's premises: always transport in closed containers that are<br>upright and secure. Ensure that persons transporting the product know what to do in<br>the event of an accident or spillage. |
| Transport in bulk according<br>to Annex II of Marpol and<br>the IBC Code | : Not available.                                                                                                                                                                                                 |
| Section 15. Regula                                                       | atory information                                                                                                                                                                                                |
| International regulations                                                |                                                                                                                                                                                                                  |
| Chemical Weapon Convent                                                  | ion List Schedules I, II & III Chemicals                                                                                                                                                                         |
| Not listed.                                                              |                                                                                                                                                                                                                  |
| Montreal Protocol (Annexes                                               | <u>s A, B, C, E)</u>                                                                                                                                                                                             |
| Not listed.                                                              |                                                                                                                                                                                                                  |
| Stockholm Convention on I<br>Not listed.                                 | Persistent Organic Pollutants                                                                                                                                                                                    |
| Rotterdam Convention on I                                                | Prior Inform Consent (PIC)                                                                                                                                                                                       |
| Not listed.                                                              |                                                                                                                                                                                                                  |
| UNECE Aarhus Protocol on                                                 | POPs and Heavy Metals                                                                                                                                                                                            |
| Not listed.                                                              |                                                                                                                                                                                                                  |
| Inventory list                                                           |                                                                                                                                                                                                                  |
| Australia                                                                | : Not determined.                                                                                                                                                                                                |
| Canada                                                                   | : Not determined.                                                                                                                                                                                                |
| China                                                                    | : Not determined.                                                                                                                                                                                                |
| Europe                                                                   | : Not determined.                                                                                                                                                                                                |
| Japan                                                                    | : Japan inventory (ENCS): Not determined.<br>Japan inventory (ISHL): Not determined.                                                                                                                             |
| Malaysia                                                                 | : Not determined.                                                                                                                                                                                                |
| New Zealand                                                              | : Not determined.                                                                                                                                                                                                |
| Philippines                                                              | : Not determined.                                                                                                                                                                                                |
| Republic of Korea                                                        | : Not determined.                                                                                                                                                                                                |
| Taiwan                                                                   | : Not determined.                                                                                                                                                                                                |
| Turkey                                                                   | : Not determined.                                                                                                                                                                                                |
| United States                                                            | : Not determined.                                                                                                                                                                                                |

# Section 16. Other information

#### **Justification**

| Classification<br>Fam. Liq. 3, H226<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>Repr. 2, H361 (Fertility)<br>Repr. 2, H361 (Unborn child) |              | Justificatio                                                                                                  | Justification |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------|---------------|--|
|                                                                                                                                         |              | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |               |  |
| History                                                                                                                                 |              |                                                                                                               |               |  |
| Date of printing                                                                                                                        | : 06/04/2017 |                                                                                                               |               |  |
| Date of issue/Date of revision                                                                                                          | : 06/04/2017 |                                                                                                               |               |  |
| Date of issue/Date of revision                                                                                                          | : 06/04/2017 |                                                                                                               | AkzoNobol     |  |



### Section 16. Other information

| Date of previous issue | : 06/06/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version                | : 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Key to abbreviations   | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Internediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships,<br>1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>UN = United Nations |
| References             | : Not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

✓ Indicates information that has changed from previously issued version.

#### Notice to reader

IMPORTANT NOTE: the information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates.

Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

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