Material Safety Data Sheet
INTERIOR FINISH 750 PART B - CONVERTER

Sales Order: {SalesOrd}

| | |
|---|---|
| Bulk Sales Reference No.: | YIC751 |
| MSDS Revision Date: | 04/02/2014 |
| MSDS Revision Number: | E0-2 |

## 1. Identification of the preparation and company

1.1. Product identifier

| | |
|---|---|
| Product Identity | INTERIOR FINISH 750 PART B - CONVERTER |
| Bulk Sales Reference No. | YIC751 |

1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|---|---|
| Intended Use | See Technical Data Sheet. |
| Application Method | See Technical Data Sheet. |

1.3. Details of the supplier of the safety data sheet

| | |
|---|---|
| Company Name | Akzo Nobel Coatings<br>International Paint LLC<br>2270 Morris Avenue<br>P. O. Box 386 |
| Emergency | |
| CHEMTREC (USA) | (800) 424-9300 |
| International Paint | (713) 527-3887 |
| Poison Control Center | (800) 854-681 |
| Customer Service | |
| International Paint | (800) 589-1267 |
| Fax No. | (800) 631-7481 |

## 2. Hazard identification of the product

2.1. Classification of the substance or mixture

| | |
|---|---|
| Flam. Liq. 3;H226 | Flammable liquid and vapor. |
| Acute Tox. 5;H313 | May be harmful in contact with skin. |
| Acute Tox. 4;H332 | Harmful if inhaled. |
| Skin Irrit. 2;H315 | Causes skin irritation. |
| Skin Sens. 1;H317 | May cause an allergic skin reaction. |
| Resp. Sens. 1;H334 | May cause allergy or asthma symptoms of breathing difficulties if inhaled. |
| Aquatic Chronic 3;H412 | Harmful to aquatic life with long lasting effects. |

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

Danger.

H226 Flammable liquid and vapor.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms of breathing difficulties if inhaled.
H412 Harmful to aquatic life with long lasting effects.

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P302+352 IF ON SKIN: Wash with soap and water.
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P312 Call a POISON CENTER or doctor / physician if you feel unwell.
P333+313 If skin irritation or a rash occurs: Get medical advice/attention.
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P341 If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370 In case of fire: Use water spray, fog, or regular foam..
P403+233 Store in a well ventilated place. Keep container tightly closed.
P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating Health: 2 Flammability: 2 Reactivity: 0

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|---|---|---|
| Hexamethylene diisocyanate homopolymer<br>CAS Number: 0028182-81-2 | 75 - 100 | Skin Sens. 1;H317 | [1] |
| Propylene glycol monomethyl ether acetate<br>CAS Number: 0000108-65-6 | 10 - 25 | Flam. Liq. 3;H226 | [1] |
| Xylenes (o-, m-, p- isomers)<br>CAS Number: 0001330-20-7 | 10 - 25 | Flam. Liq. 3;H226<br>Acute Tox. 4;H332<br>Acute Tox. 4;H312<br>Skin Irrit. 2;H315 | [1][2] |
| Hexamethylene diisocyanate<br>CAS Number: 0000822-06-0 | 0.10 - 1.0 | Acute Tox. 3;H331<br>Eye Irrit. 2;H319<br>STOT SE 3;H335<br>Skin Irrit. 2;H315<br>Resp. Sens. 1;H334<br>Skin Sens. 1;H317 | [1][2] |

[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

## 4. First aid measures

4.1. Description of first aid measures

General Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.

Inhalation

| | |
|---|---|
| | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. |
| Eyes | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. |
| Skin | In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately. |
| Ingestion | If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|---|---|
| Overview | NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing. May cause allergic respiratory reaction. |
| Inhalation | Harmful if inhaled. May cause lung injury. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea. |
| Eyes | Risk of serious damage to eyes. Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific condition of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thouroughly cleaned, or discarded after each use. |
| Skin | Causes skin irritation. May cause delayed skin irritation. May be harmful if absorbed through the skin. |
| Ingestion | Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness. |

Chronic effects

## 5. Fire-fighting measures

5.1. Extinguishing media

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. SMALL FIRES: Use dry chemical, CO2, water spray or alcohol-resistant foam. LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

5.2. Special hazards arising from the substance or mixture

May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

ERG Guide No.

## 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

## 7. Handling and storage

7.1. Precautions for safe handling

Handling

Vapors may cause flash fire or ignite explosively.

In Storage

Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Do not get in eyes, on skin or clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

## 8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|---|---|---|---|
| 0000108-65-6 | Propylene glycol monomethyl ether acetate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| | | OHSA, CAN | 50 ppm TWA; 270 mg/m3 TWA |
| | | Mexico | No Established Limit |
| | | Brazil | No Established Limit |
| 0000822-06-0 | Hexamethylene diisocyanate | OSHA | No Established Limit |
| | | ACGIH | 0.005 ppm TWA |
| | | NIOSH | 0.005 ppm TWA; 0.035 mg/m3 TWA0.020 ppm Ceiling (10 min); 0.140 mg/m3 Ceiling (10 min) |
| | | Supplier | No Established Limit |
| | | OHSA, CAN | 0.005 ppm TWA (designated substances regulation, listed under Isocyanates, organic compounds); 0.02 ppm Ceiling (designated substances regulation, listed under Isocyanates, organic compounds0.005 ppm TWA (listed under Isocyanates, organic compounds (Hexamethylene diisocyanate (HDI))); |
| | | Mexico | No Established Limit |
| | | Brazil | No Established Limit |
| 0001330-20-7 | Xylenes (o-, m-, p- isomers) | OSHA | 100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL |
| | | ACGIH | 100 ppm TWA150 ppm STEL |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| | | OHSA, CAN | 100 ppm TWA150 ppm STEL |
| | | Mexico | 100 ppm TWA LMPE-PPT; 435 mg/m3 TWA LMPE-PPT150 ppm STEL [LMPE-CT]; 655 mg/m3 STEL [LMPE-CT] |
| | | Brazil | 78 ppm TWA LT; 340 mg/m3 TWA LT |
| 0028182-81-2 | Hexamethylene diisocyanate homopolymer | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |

| | | | |
|---|---|---|---|
| | | Supplier | No Established Limit |
| | | OHSA, CAN | No Established Limit |
| | | Mexico | No Established Limit |
| | | Brazil | No Established Limit |

Health Data

| CAS No. | Ingredient | Source | Value |
|---|---|---|---|
| 0000108-65-6 | Propylene glycol monomethyl ether acetate | NIOSH | No Established Limit |
| 0000822-06-0 | Hexamethylene diisocyanate | NIOSH | Respiratory effects and sensitization pulmonary irritation (Listed under |
| 0001330-20-7 | Xylenes (o-, m-, p- isomers) | NIOSH | Central nervous system depressant; respiratory and eye irritation |
| 0028182-81-2 | Hexamethylene diisocyanate homopolymer | NIOSH | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|---|---|---|---|
| 0000108-65-6 | Propylene glycol monomethyl ether acetate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000822-06-0 | Hexamethylene diisocyanate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0001330-20-7 | Xylenes (o-, m-, p-isomers) | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0028182-81-2 | Hexamethylene diisocyanate homopolymer | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

| | |
|---|---|
| Respiratory | Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet. INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST. Do not breathe vapor or spray mist. Wear an appropriate, properly fitted respirator (NIOSH approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable limits. A supplied air respirator (either positive pressure or continous flow type) is required. Follow manufacturer's directions for respirator use and observe requirements specified in 29 CFR 1910.134. |
| Eyes | Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use. |
| Skin | Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific |

| | |
|---|---|
| | conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use. |
| Engineering Controls | Depending on the site-specific conditions of use, provide adequate ventilation. |
| Other Work Practices | Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water. |

## 9. Physical and chemical properties

| | |
|---|---|
| Appearance | Coloured Liquid |
| Odour threshold | Not Measured |
| pH | No Established Limit |
| Melting point / freezing point | Not Measured |
| Initial boiling point and boiling range | 138 (C) 281 (F) |
| Flash Point | 38 (C) 100 (F) |
| Evaporation rate (Ether = 1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: 1<br>Upper Explosive Limit: No Established Limit |
| vapor pressure (Pa) | Not Measured |
| Vapor Density | Heavier than air |
| Specific Gravity | 1.07 |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Measured |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | No Established Limit |
| VOC % | Refer to the Technical Data Sheet or label where information is available. |

9.2. Other information

No further information

## 10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

## 11. Toxicological information

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling

the contents may be harmful or fatal.

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr |
|---|---|---|---|---|
| Hexamethylene diisocyanate homopolymer - (28182-81-2) | 5,000.00, Rat - Category: 5 | No data available | No data available | No data available |
| Propylene glycol monomethyl ether acetate - (108-65-6) | 8,532.00, Rat - Category: NA | 5,000.00, Rabbit - Category: 5 | No data available | No data available |
| Xylenes (o-, m-, p- isomers) - (1330-20-7) | 4,299.00, Rat - Category: 5 | 1,548.00, Rabbit - Category: 4 | 20.00, Rat - Category: 4 | No data available |
| Hexamethylene diisocyanate - (822-06-0) | No data available | No data available | No data available | No data available |

| Item | Category | Hazard |
|---|---|---|
| Acute Toxicity (mouth) | Not Classified | Not Applicable |
| Acute Toxicity (skin) | 5 | May be harmful in contact with skin. |
| Acute Toxicity (inhalation) | 4 | Harmful if inhaled. |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Eye damage/irritation | Not Classified | Not Applicable |
| Sensitization (respiratory) | 1 | May cause allergy or asthma symptoms of breathing difficulties if inhaled. |
| Sensitization (skin) | 1 | May cause an allergic skin reaction. |
| Germ toxicity | Not Classified | Not Applicable |
| Carcinogenicity | Not Classified | Not Applicable |
| Reproductive Toxicity | Not Classified | Not Applicable |
| Specific target organ systemic toxicity (single exposure) | Not Classified | Not Applicable |
| Specific target organ systemic Toxicity (repeated exposure) | Not Classified | Not Applicable |
| Aspiration hazard | Not Classified | Not Applicable |

## 12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|---|---|---|---|
| Hexamethylene diisocyanate homopolymer - (28182-81-2) | 100.00, Danio rerio | 100.00, Daphnia magna | 100.00 (72 hr), Scenedesmus subspicatus |
| Propylene glycol monomethyl ether acetate - (108-65-6) | 100.00, Salmo gairdneri | 500.00, Daphnia magna | Not Available |
| Xylenes (o-, m-, p- isomers) - (1330-20-7) | 3.30, Oncorhynchus mykiss | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales |
| Hexamethylene diisocyanate - (822-06-0) | 82.80, Danio rerio | 89.10, Daphnia magna | 77.40 (72 hr), Desmodesmus subspicatus |

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

## 13. Disposal considerations

13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses.

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

## 14. Transport information

14.1. UN number: UN 1263

14.2. UN proper shipping name: Paint

14.3. Transport hazard class(es)

| DOT (Domestic Surface Transportation) | | IMO / IMDG (Ocean Transportation) | |
|---|---|---|---|
| DOT Proper Shipping Name | CONSUMER COMMODITY, ORM-D | IMDG Proper Shipping Name | Paint |
| DOT Hazard Class | Not Regulated | IMDG Hazard Class<br>Sub Class | Flammable Liquid, 3<br>Not applicable |
| UN / NA Number | UN 1263 | | |
| DOT Packing Group | Not Regulated | IMDG Packing Group | III |
| CERCLA/DOT RQ | 90 gal. / 800 lbs. | System Reference Code | 181 |

14.4. Packing group: III

14.5. Environmental hazards

IMDG: Marine Pollutant: No

14.6. Special precautions for user

Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

## 15. Regulatory information

Regulatory Overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification: B3 D2A

DOT Marine Pollutants (10%):

(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):

(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :

Hexamethylene diisocyanate (100 lb final RQ; 45.4 kg final RQ)

Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :

(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

Hexamethylene diisocyanate

Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

Xylenes (o-, m-, p- isomers)

Penn RTK Substances (>1%) :

Xylenes (o-, m-, p- isomers)

Penn Special Hazardous Substances (>.01%) :

(No Product Ingredients Listed)

RCRA Status:

(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :

Xylenes (o-, m-, p- isomers)

N.J. Special Hazardous Substances (>.01%) :

Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>.1%) :

Hexamethylene diisocyanate

Xylenes (o-, m-, p- isomers)

Proposition 65 - Carcinogens (>0%):

(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0%):

(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0%):

(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0%):

(No Product Ingredients Listed)

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms of breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

The following sections have changed since the previous revision.

End of Document