SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product name: Eastman(TM) Chlorinated Polyolefin 164-1(25% in Xylene)

Product No.: EAN 970092. 12076-0F, S12076F3, S12076F4, S12076F7, F12076F3, F12076F4, F12076F7,
P12076F2, P12076F3, P12076F4

Synonyms, Trade Names: 12076-0F

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Adhesive
Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet
Manufacturer / Supplier
Eastman Chemical Company
200 South Wilcox Drive
Kingsport, TN 37660-5280 US
+14232292000

Visit our website at www.EASTMAN.com or email emnmsds@eastman.com

1.4 Emergency telephone number:
For emergency health, safety, and environmental information, call 1-423-229-4511 or 1-423-229-2000.

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300 or call

SECTION 2: Hazards identification

WARNING!
FLAMMABLE LIQUID AND VAPOR
CAUSES SKIN AND EYE IRRITATION
HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS
HARMFUL IF SWALLOWED - MAY ENTER LUNG AND SWALLOWED OR VOMITED
MAY CAUSE HERITABLE GENETIC DAMAGE
POSSIBLE CANCER HAZARD - MAY CAUSE CANCER BASED ON ANIMAL DATA

SECTION 3: Composition/information on ingredients

3.1 / 3.2 Substances / Mixtures

General information:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Concentration</th>
<th>Additional identification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene, m-xylene, o-xylene, p-xylene</td>
<td>&lt;77%</td>
<td>CAS-No.: 1330-20-7</td>
<td>#</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC No.: 215-535-7</td>
<td></td>
</tr>
</tbody>
</table>

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1/15
INDEX No.: 601-022-00-9

| Modified Chlorinated Polyolefin | <27% | Not assigned |
| ethylbenzene | <19.75% | CAS-No.: 100-41-4, EC No.: 202-849-4, INDEX No.: 601-023-00-4 |
| epoxidized oil | <3% | CAS-No.: 61789-01-3 |
| acetone; propan-2-one; propanone | <3% | CAS-No.: 67-64-1, EC No.: 200-662-2, INDEX No.: 606-001-00-8 |
| chlorobenzene | <1% | CAS-No.: 108-90-7 |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
# This substance has workplace exposure limit(s).
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Inhalation:** Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

**Skin contact:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

**Ingestion:** Call a physician or poison control center immediately. Do NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.

### 4.2 Most important symptoms and effects, both acute and delayed:

May irritate and cause redness and pain. Narcotic effect. Symptoms may be delayed.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Hazards:** Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain. In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. May cause internal organ effects.

**Treatment:** Treat symptomatically.

## SECTION 5: Firefighting measures
**General fire hazards:** Flammable liquid and vapor. USE WATER WITH CAUTION. Material will float and may ignite on surface of water.

**5.1 Extinguishing media**


*Unsuitable extinguishing media:* None known.

**5.2 Special hazards arising from the substance or mixture:** Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

**5.3 Advice for firefighters**

*Special Fire Fighting Procedures:* Water may be ineffective in fighting the fire. Use water spray to keep fire-exposed containers cool.

*Special protective equipment for fire-fighters:* Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Wear appropriate personal protective equipment.

**6.2 Environmental precautions:** Avoid release to the environment.

**6.3 Methods and material for containment and cleaning up:** Eliminate sources of ignition. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Large Spillages: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

*Notification Procedures:* In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

### SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:** Avoid breathing mists or vapors. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed and in a well-ventilated place. Storage of solutions near 25°C will minimize haze and gel formation. Solutions may become hazy, partially precipitate from solution, or gel with time on exposure to low temperature. Warming the contents, while keeping away from sparks and open flame, to approximately 38-49°C with mild agitation will generally return the product to its original condition.

**7.3 Specific end use(s):** Adhesive
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

If exposure limits have not been established, maintain airborne levels to an acceptable level.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Type</th>
<th>Exposure Limit values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene, m-xylene, o-xylene, p-xylene</td>
<td>TWA</td>
<td>100 ppm</td>
<td>US. ACGIH Threshold Limit Values (01 2010)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
<td>US. ACGIH Threshold Limit Values (01 2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>100 ppm 435 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>ethylbenzene</td>
<td>TWA</td>
<td>20 ppm</td>
<td>US. ACGIH Threshold Limit Values (12 2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>100 ppm 435 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>acetone; propan-2-one; propanone</td>
<td>TWA</td>
<td>500 ppm</td>
<td>US. ACGIH Threshold Limit Values (01 2010)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>750 ppm</td>
<td>US. ACGIH Threshold Limit Values (01 2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1,000 ppm 2,400 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>chlorobenzene</td>
<td>TWA</td>
<td>10 ppm</td>
<td>US. ACGIH Threshold Limit Values (01 2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>75 ppm 350 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
</tbody>
</table>

Biological limit values

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Exposure Limit values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>xylene, m-xylene, o-xylene, p-xylene (Methylhippuric acids: Sampling time: End of shift.)</td>
<td>1.5 g/g (Creatinine in urine)</td>
<td>ACGIH BEL (01 2010)</td>
</tr>
<tr>
<td>ethylbenzene (Sum of mandelic acid and phenylglyoxylic acid: Sampling time: End of shift at end of work week.)</td>
<td>0.7 g/g (Creatinine in urine)</td>
<td>ACGIH BEL (01 2010)</td>
</tr>
<tr>
<td>acetone; propan-2-one; propanone (acetone: Sampling time: End of shift.)</td>
<td>50 mg/l (Urine)</td>
<td>ACGIH BEL (01 2010)</td>
</tr>
<tr>
<td>chlorobenzene (4-Chlorocatechol, with hydrolysis: Sampling time: End of shift at end of work week.)</td>
<td>100 mg/g (Creatinine in urine)</td>
<td>ACGIH BEL (01 2010)</td>
</tr>
<tr>
<td>chlorobenzene (p-Chlorophenol, with hydrolysis: Sampling time: End of shift at end of work week.)</td>
<td>20 mg/g (Creatinine in urine)</td>
<td>ACGIH BEL (01 2010)</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

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### Appropriate engineering controls:
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures, such as personal protective equipment

#### General information:

#### Eye/face protection:
Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

#### Skin protection
- **Hand protection:** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

#### Other:
No data available.

#### Respiratory Protection:
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

#### Hygiene measures:
Observe good industrial hygiene practices.

#### Environmental Controls:
No data available.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td></td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Viscous Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Amber</td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available.</td>
</tr>
<tr>
<td>pH</td>
<td>No data available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>135 - 145 °C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>23 °C (Tag closed cup)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flammability Limit - Upper (%)</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
**SECTION 10: Stability and reactivity**

10.1 Reactivity: None known.

10.2 Chemical stability: Stable

10.3 Possibility of hazardous reactions: None known.

10.4 Conditions to avoid: Heat, sparks, flames.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: Carbon Dioxide. Carbon Monoxide. Chlorinated compounds.

**SECTION 11: Toxicological information**

Information on likely routes of exposure

Inhalation: High vapor concentrations may cause drowsiness.

Ingestion: May be fatal if swallowed and enters airways.

Skin contact: Causes skin irritation.

Eye contact: Causes eye irritation.

11.1 Information on toxicological effects

Acute Toxicity

Oral

Product: No data available.
Specified substance(s)
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

Oral LD₅₀:
- (Rat): 4,300 mg/kg
- (Mouse): 2,119 mg/kg
No data available.
- (Rat): 3,500 mg/kg
- (Rat): > 3,200 mg/kg
- (Mouse): > 3,200 mg/kg
- (Rat): 4,000 - 8,000 mg/kg
- (Rat): 2,262 mg/kg

Dermal Product:
No data available.

Specified substance(s)
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

No data available.

Dermal LD₅₀:
- (Rabbit): > 1,700 mg/kg
No data available.
- (Rabbit): 15,400 mg/kg
No data available.
- (Rabbit): > 2,000 mg/kg (highest dose tested)
- (Guinea Pig): > 20,000 mg/kg

Inhalation Product:
No data available.

Specified substance(s)
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

LC₅₀ (Rat, 4 h): 6700 ppm
No data available.
- LC₅₀ (Rat, 4 h): 4000 ppm
No data available.
- LC₅₀ (Rat, 4 h): 76 mg/l (highest concentration tested)

LC₅₀ (Rat, 4 h): 29.7 mg/l

Repeated dose toxicity Product:
No data available.

Specified substance(s)
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

No data available.
Skin corrosion/irritation:

Product: No data available.

Specified substance(s)

- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

(Rabbit, 24 h): moderate

Serious eye damage/eye irritation:

Product: No data available.

Specified substance(s)

- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

(Rabbit): slight to moderate

Respiratory or skin sensitization:

Product: No data available.

Specified substance(s)

- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

Skin Sensitization: (Human) - non-sensitizing

Germ cell mutagenicity

In vitro

Product: No data available.

Specified substance(s)

- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene

No data available.
epoxidized oil
acetone; propan-2-one;
propanone
chlorobenzene

In vivo
Product: No data available.

Specified substance(s)
- xylene, m-xylene, o-xylene,
p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one;
propanone
- chlorobenzene

Known or suspected mutagen.

Carcinogenicity
Product: No data available.

Specified substance(s)
- xylene, m-xylene, o-xylene,
p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one;
propanone
- chlorobenzene

IARC 2B: possibly carcinogenic to humans.

Reproductive toxicity
Product: No data available.

Specified substance(s)
- xylene, m-xylene, o-xylene,
p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one;
propanone
- chlorobenzene

Specific target organ toxicity - single exposure
Product: No data available.

Specified substance(s)
- xylene, m-xylene, o-xylene,
p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- Inhalation: Narcotic effect.
acetone; propan-2-one; propanone chlorobenzene

Inhalation: Narcotic effect.

**Specific target organ toxicity - repeated exposure**

**Product:** No data available.

**Specified substance(s)**
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone chlorobenzene

No data available.

**Aspiration hazard**

**Product:** No data available.

**Specified substance(s)**
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone chlorobenzene

May be fatal if swallowed and enters airways.

No data available.

May be harmful if swallowed and enters airways.

No data available.

May be harmful if swallowed and enters airways.

No data available.

**Other adverse effects:**

No data available.

---

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone chlorobenzene

No data available.

LC-50 (Sheepshead Minnow, 96 h): 275 mg/l
LC-50 (Fathead Minnow, 96 h): 42.3 - 48.5 mg/l
LC-50 (Guppy, 96 h): 97.1 mg/l

No data available.

LC-50 (Fathead Minnow, 96 h): 7,280 - 8,120 mg/l
LC-50 (goldfish, 24 h): 5,000 mg/l
LC-50 (golden orfe, 48 h): 7,505 - 11,300 mg/l
LC-50 (mosquito fish, 96 h): 13,000 mg/l
LC-50 (Bluegill Sunfish, 96 h): 8,300 mg/l
chlorobenzene LC-50 (goldfish, 96 h): 73.03 mg/l

**Aquatic invertebrates**

**Product:** No data available.

**Specified substance(s)**
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

**Aquatic invertebrates**

**Product:** No data available.

**Specified substance(s)**
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
- chlorobenzene

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**
- xylene, m-xylene, o-xylene, p-xylene
- modified chlorinated polyolefin
- ethylbenzene
- epoxidized oil
- acetone; propan-2-one; propanone
propanone  
chlorobenzene  

No data available.

12.2 Persistence and degradability

Biodegradation

Product:  

Specified substance(s)  

xylene, m-xylene, o-xylene,  
p-xylene  
modified chlorinated polyolefin  
ethylbenzene  
epoxidized oil  
acetone; propan-2-one;  
propanone  
chlorobenzene  

No data available.

Biological Oxygen Demand:  

Product  

Specified substance(s)  

xylene, m-xylene, o-xylene,  
p-xylene  
modified chlorinated polyolefin  
ethylbenzene  
epoxidized oil  
acetone; propan-2-one;  
propanone  
chlorobenzene  

No data available.

Chemical Oxygen Demand:  

Product  

Specified substance(s)  

xylene, m-xylene, o-xylene,  
p-xylene  
modified chlorinated polyolefin  
ethylbenzene  
epoxidized oil  
acetone; propan-2-one;  
propanone  
chlorobenzene  

No data available.

BOD/COD ratio  

Product  

Specified substance(s)  

xylene, m-xylene, o-xylene,  
p-xylene  
modified chlorinated polyolefin  
ethylbenzene  
epoxidized oil  

No data available.
acetone; propan-2-one; propanone; chlorobenzene

12.3 Bioaccumulative potential

Product:

Specified substance(s)
xylene, m-xylene, o-xylene, p-xylene
modified chlorinated polyolefin
ethylbenzene
epoxidized oil
acetone; propan-2-one; propanone; chlorobenzene

No data available.

7.32 %

12.4 Mobility in soil:

Known or predicted distribution to environmental compartments

xylene, m-xylene, o-xylene, p-xylene
modified chlorinated polyolefin
ethylbenzene
epoxidized oil
acetone; propan-2-one; propanone; chlorobenzene

No data available.

12.5 Results of PBT and vPvB assessment:

xylene, m-xylene, o-xylene, p-xylene
modified chlorinated polyolefin
ethylbenzene
epoxidized oil
acetone; propan-2-one; propanone; chlorobenzene

No data available.

12.6 Other adverse effects:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:

No data available.
Disposal Methods: Dispose of waste and residues in accordance with local authority requirements. Mix with compatible chemical which is less flammable and incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

SECTION 14: Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT

Reportable Quantity: 58.9 kg (xylene, Ethylbenzene)

Possible Shipping Description(s):

UN 1139 Coating solution 3 III

IMDG - International Maritime Dangerous Goods Code

Possible Shipping Description(s):

UN 1139 COATING SOLUTION 3 III

IATA

Possible Shipping Description(s):

UN 1139 Coating solution 3 III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS (Canada) Status: controlled
WHMIS (Canada) Hazard Classification: B/2, D/2/A, D/2/B
SARA 311-312 Hazard Classification(s):
- immediate (acute) health hazard
- delayed (chronic) health hazard
- fire hazard

US EPCRA (SARA Title III) Section 313 - Toxic Chemical List
- XYLENE (MIXED ISOMERS)
- ETHYLBENZENE

OSHA: hazardous

TSCA (US Toxic Substances Control Act): All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): All components of this product are listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): All components of this product are listed on AICS or otherwise comply with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): All components of this product are listed in the Handbook or have been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): One or more components of this product are not listed on the Korean inventory.

SECTION 16: Other information

HMIS® Hazard Ratings: Health - 2, Flammability - 3, Chemical Reactivity - 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Training information: No data available.

Issue Date: 11/08/2012

SDS No: 150000000074

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

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