1.1 Identification of the substance/mixture:
Commercial name: Paraxylene
Chemical name: Paraxylene C8H10
Synonyms: p-Dimethyl benzene, p-methyl toluene, p-Xylol.

1.2 Use of the substance /mixture:
Synthesis of terephthalic acid for polyester. Used as a chemical intermediate for the synthesis of 1,4-bis(chloromethyl)benzene; dimethyl terephthalate; poly-p-xylene; terephthalic acid; 4-(tri-fluoromethyl)benzaldehyde; 4-(trifluoromethyl)benzyl alcohol; 2,5-xylidine.

1.3 MANUFACTURER & SUPPLIER: Reliance Industries Limited
Emergency Coordination Centre contact details:

<table>
<thead>
<tr>
<th>Jamnagar Mfg. Division</th>
<th>SSM Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>Village Meghpar / Padana, Taluka Lalpur, Dist. Jamnagar, Gujarat</td>
<td>+ 91 288 3512400</td>
</tr>
<tr>
<td></td>
<td>Mobile +91- 6354918737</td>
</tr>
<tr>
<td></td>
<td>+91- 9327918145</td>
</tr>
<tr>
<td></td>
<td>+ 91 288 3522010</td>
</tr>
</tbody>
</table>

SSM: Site Shift Manager

---

Section 2 – HAZARD IDENTIFICATION

2.1 Classification of the substance/mixture: Hazard class and category code.
GHS Category:

<table>
<thead>
<tr>
<th>Health</th>
<th>Environmental</th>
<th>Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity -Inhalation – Category 4</td>
<td>Aquatic Toxicity – Category- 2</td>
<td>Flammable – Category 3</td>
</tr>
<tr>
<td>Acute Toxicity -Oral – Category 4</td>
<td>Skin Irritation Category: 2</td>
<td>flammable</td>
</tr>
</tbody>
</table>

NA: Not available.

GHS Category table for reference:

<table>
<thead>
<tr>
<th>Study/hazard statement</th>
<th>Category 1</th>
<th>Category 2</th>
<th>Category 3</th>
<th>Category 4</th>
<th>Category 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Oral LD50</td>
<td>≤ 5 mg/kg</td>
<td>&gt; 5 ≤50 mg/kg</td>
<td>&gt; 50 ≤300 mg/kg</td>
<td>&gt; 300 ≤2000 mg/kg</td>
<td>&gt; 2000 ≤5000mg/kg</td>
</tr>
<tr>
<td></td>
<td>Fatal if swallowed</td>
<td>Fatal if swallowed</td>
<td>Toxic if swallowed</td>
<td>Harmful if swallowed</td>
<td>May be harmful if swallowed</td>
</tr>
<tr>
<td>Acute Dermal LD50</td>
<td>≤ 50 mg/kg</td>
<td>&gt; 50 ≤200 mg/kg</td>
<td>&gt; 200 ≤1000 mg/kg</td>
<td>&gt; 1000 ≤2000 mg/kg</td>
<td>&gt; 2000 ≤5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Fatal in contact with skin</td>
<td>Fatal in contact with skin</td>
<td>Toxic in contact with skin</td>
<td>Harmful in contact with skin</td>
<td>May be harmful in contact with skin</td>
</tr>
<tr>
<td>Acute Inhalation Dust LC50</td>
<td>≤ 0.05 mg/L</td>
<td>&gt; 0.05 ≤ 0.5 mg/L</td>
<td>&gt; 0.5 ≤ 1.0 mg/L</td>
<td>&gt; 1.0 ≤ 5 mg/L</td>
<td>See footnote below this table</td>
</tr>
<tr>
<td>Gases LC50</td>
<td>≤ 100 ppm/V</td>
<td>&gt; 100 ≤500 ppm/V</td>
<td>&gt; 500 ≤ 2500</td>
<td>2500 ≤ 20000</td>
<td></td>
</tr>
</tbody>
</table>

See footnote below this table
Supersedes: April 01, 2016

GHS Label: GHS02: Flammable Liquid, GHS07: Warning, GHS08: Health Hazard

Signal word: Danger

Details of Statements:

Table: Category 1

<table>
<thead>
<tr>
<th>Study/hazard statement</th>
<th>Category 1</th>
<th>Category 2</th>
<th>Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irritation</td>
<td>Effects on the cornea, iris or conjunctiva that are not expected to reverse or that have not fully reversed within 21 days. Causes severe eye damage.</td>
<td>2A: Effects on the cornea, iris or conjunctiva that fully reverse within 21 days. Causes severe eye irritation. 2B: Effects on the cornea, iris or conjunctiva that fully reverse within 7 days. Causes eye irritation.</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>Destruction of skin tissue, with sub categorization based on exposure of up to 3 minutes (A), 1 hour (B), or 4 hours (C), Causes severe skin burns and eye damage.</td>
<td>Mean value of $2.3 &gt; 4.0$ for erythema / eschar or edema in at least 2 of 3 tested animals from gradings at 24, 48, and 72 hours (or on 3 consecutive days after onset if reactions are delayed); inflammation that persists to end of the (normally 14-day) observation period. Causes skin irritation.</td>
<td>Mean value of $1.5 &lt; 2.3$ for erythema / eschar or edema in at least 2 of 3 tested animals from gradings at 24, 48, and 72 hours (or on 3 consecutive days after onset if reactions are delayed). Causes mild skin irritation.</td>
</tr>
<tr>
<td>Environment: Acute Toxicity Category</td>
<td>96 hr LC50 (fish) $\leq 1$ mg/L, 48 hr EC50 (crustacea) $\leq 1$ mg/L, 72/96 hr ErC50 (aquatic plants) $\leq 1$ mg/L Very toxic to aquatic life</td>
<td>96 hr LC50 (fish) $&gt; 10$ mg/L, 48 hr EC50 (crustacea) $&gt; 10$ mg/L, 72/96 hr ErC50 (aquatic plants) $&gt; 10$ mg/L Toxic to aquatic life</td>
<td>96 hr LC50 (fish) $&gt; 100$ mg/L, 48 hr EC50 (crustacea) $&gt; 100$ mg/L, 72/96 hr ErC50 (aquatic plants) $&gt; 100$ mg/L Harmful to aquatic life</td>
</tr>
<tr>
<td>Flammable Aerosol</td>
<td>Extremely flammable aerosol</td>
<td>Flammable aerosol</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flammable solids</td>
<td>Using the burning rate test, substances or mixtures other than metal powders: (a) wetted zone does not stop fire and (b) burning time &lt; 45 seconds or burning rate &gt; 2.2 mm/second Using the burning rate test, metal powders that have burning time $\leq 5$ minutes Flammable solid</td>
<td>Using the burning rate test, substances or mixtures other than metal powders: (a) wetted zone does not stop fire for at least 4 minutes and (b) burning time &lt; 45 seconds or burning rate &gt; 2.2 mm/second Using the burning rate test, metal powders that have burning time $&gt; 5$ minutes Flammable solid</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flammable gases</td>
<td>Gases, which at 20 degrees C and a standard pressure of 101.3 kPA: (a) are ignitable when in a mixture of 15% or less by volume in air; or (b) have a flammable range with air of at least 12 percentage points regardless of the lower flammable limit. Extremely flammable gas</td>
<td>Gases, other than those of category 1, which, at 20 degrees C and a standard pressure of 101.3 kPA, have a flammable range while mixed in air. Flammable gas</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
Hazard Statements

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312 + H332: Harmful in contact with skin or if inhaled.
H315: Causes skin irritation.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273: Avoid release to the environment.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P331: Do NOT induce vomiting.

Precautionary Statement

P233: Keep container tightly closed.
P235: Keep cool.
P403: Store in well-ventilated area.
P405: Store locked up.

Precautionary Statement

Follow local regulation

Hazard ratings:

<table>
<thead>
<tr>
<th>NFPA HAZARD CODES</th>
<th>RATINGS SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH:</td>
<td>2 = No Hazard</td>
</tr>
<tr>
<td>FLAMMABILITY:</td>
<td>1 = Slight Hazard</td>
</tr>
<tr>
<td>INSTABILITY:</td>
<td>2 = Moderate Hazard</td>
</tr>
<tr>
<td></td>
<td>3 = Serious Hazard</td>
</tr>
<tr>
<td></td>
<td>4 = Severe Hazard</td>
</tr>
</tbody>
</table>

Data Reference: http://toxnet.nlm.nih.gov/cgi-bin/sis/search

2.2 Information pertaining to particular dangers for human:
Severely irritating if inhaled. Prolonged or repeated contact may cause moderate, irritation, redness, itching, inflammation, dermatitis and possible secondary infection.

2.3 Information pertaining to particular dangers for the environment:
NA

2.4 Other adverse effects:
Ignition possible when exposed to hot surfaces, sparks, naked flames and by electrostatic discharges too.

Those with history of lung diseases, or skin problems may be more susceptible to the effects of this substance. Those with history of lung diseases, or skin problems may be more susceptible to the effect of this material.

Route of entry:
**Material Safety Data Sheet**

**PARAXYLENE**

**Issue Date:** June 30, 2021  
**Supersedes:** April 01, 2016

### Section 3 – COMPOSITION & INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients / Hazardous</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraxylene</td>
<td>106-42-3</td>
<td>203-396-5</td>
<td>99.70%</td>
</tr>
</tbody>
</table>

### Section 4 – FIRST AID MEASURES

**4.1 General advice**  
**IMMEDIATE MEDICAL ATTENTION IS REQUIRED AFTER INHALATION OR AFTER SWALLOWING.**

In case of health troubles or doubts, seek medical advice immediately and show this (Material) Safety Data Sheet. Ensure activity of vitally important functions until the arrival of the doctor (artificial respiration, inhalation of oxygen, heart massage). If patient is unconscious, or in case of danger of blackout, transport patient in a stabilized position.

**4.2 Inhalation**

No fumes/dust.

**4.3 Skin contact**

Immediately take off all contaminated clothing and footwear. Flush effected area with copious quantities of water. SYMPTOMS AND EFFECTS: mild irritation.

**4.4 Eye contact**

Immediately flush eyes with clean lukewarm water and continue flushing for at least 15 minutes – keep the eyelids widely apart and flush thoroughly with mild water stream from the inner to the outer. Seek medical advice. SYMPTOMS AND EFFECTS: severe irritation.

**4.5 Swallowing**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. SYMPTOMS AND EFFECTS: nausea, vomiting, convulsions, irregular heartbeat.
Section 5 – FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media
Foam, Dry Chemical powder, CO2.
Cool containers with water spray.

5.2 Extinguishing media to be avoided
Water in the form of Jet.

5.3 Caution about specific danger in case of fire and fire-fighting procedures
Danger of violent reaction or explosion. Vapours may travel considerable far distances and cause subsequent ignition. Vapours are heavier than air, may cumulate along the ground and in enclosed spaces – danger of explosion. Do not empty into drains. When burning, it emits carbon monoxide, carbon dioxide and irritant fumes. Containers with the substance exposed to excessive heat may explode. Keep unauthorized personnel out.
Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
Use water as a fine spray to control fire and cool adjacent area.

5.4 Special protective equipment for fire fighters
Wear full protective fire-resistant clothing and self-contained breathing apparatus.

Section 6 – ACCIDENTAL RELEASE MEASURES

6.1 Person-related safety precautions
Isolate hazard area. Evacuate all unauthorized personnel not participating in rescue operations from the area. Avoid entry into danger area. Remove all possible sources of ignition. Stop traffic and switch off the motors of the engines. Do not smoke and do not handle with naked flame. Use explosion-proof lamps and nonsparking tools. Avoid contact with the substance. Apply recommended full protective personal equipment. When escaping from the contaminated area, wear mask with cartridge against organic vapours. In case of general average, evacuate personnel from danger area.

6.2 Precautions for protection of the environment
Prevent from further leaks of substance.

6.3 Recommended methods for cleaning and disposal
Soak up residues with compatible porous material and forward for disposal in closed containers. Dispose off under valid legal waste regulations.

Section 7 – HANDLING AND STORAGE

7.1 Information for safe handling
Observe all fire-fighting measures (no smoking, do not handle with naked flame and remove all possible sources of ignition). Take precautionary measures against static discharges. Wear recommended personal protective equipment and observe instructions to prevent possible contact of substance with skin and eyes and inhalation. Avoid leak to environment.

7.2 Information for storage
Storerooms should meet the requirements for the fire safety of constructions and electrical facilities and should be in conformity with valid regulations. Store in cool, well-ventilated
place with effective exhaust, away from heat and all sources of ignition. Store in tightly closed container. Do not store together with oxidizing agents.
Take precautionary measures against static discharges. Avoid leak to environment.

7.3 Information for specific use Not applicable.

---

### Section 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

#### 8.1 Occupational Exposure Limits:

<table>
<thead>
<tr>
<th>Material</th>
<th>Source</th>
<th>Type</th>
<th>ppm</th>
<th>mg/m³</th>
<th>Notation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraxylene</td>
<td>ACGIH</td>
<td>TWA</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>STEL</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NIOSH</td>
<td>IDLH</td>
<td>900</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>SKIN_DES TWA</td>
<td>NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA</td>
<td>TWA</td>
<td>100</td>
<td>435</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OSHA</td>
<td>STEL</td>
<td>150</td>
<td>655</td>
<td></td>
</tr>
</tbody>
</table>

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposure.

NA: Data not available
ACGIH TLV MANUAL

#### 8.2 Occupational exposure controls

Collective protection measures: General and local ventilation, effective exhaust. 
Individual protection measures: Personal protective equipment (PPE) for the protection of eyes, hands and skin corresponding with the performed labour has to be kept at disposition for the employees. In cases, where the workplace exposure control limits cannot be observed with the help of technical equipment or where it is not possible to ensure that the respiratory system exposure does not represent a health hazard for the personnel, adequate respiratory protection have to be kept at disposition. The damaged or contaminated equipment has to be replaced immediately.

**RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT (PPE):**

<table>
<thead>
<tr>
<th>HANDS</th>
<th>EYES</th>
<th>BODY</th>
<th>RESPIRATORY</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="hand.png" alt="Hand Protection" /></td>
<td><img src="eye.png" alt="Eye Protection" /></td>
<td><img src="body.png" alt="Body Protection" /></td>
<td><img src="respiratory.png" alt="Respiratory Protection" /></td>
</tr>
</tbody>
</table>

**Respiratory protection:** If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-face piece respirator with canister effective to protect against organic vapors.

**Eye protection:** Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**Hand protection:** Wear gloves of impervious material.

**Body protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Protective coverall antistatic design recommended, impervious when handling big amounts (nitrile rubber), sealed leather footwear (free from synthetic adhesives)
**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**8.3 Environmental exposure controls**
Proceed in accordance with valid air and water legislative regulations.

**Engineering measures:** Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid, colourless or light yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Aromatic odour</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Negligible in cold water</td>
</tr>
<tr>
<td>Relative Density (H2O=1)</td>
<td>0.861 @ 20°C</td>
</tr>
<tr>
<td>Boiling Point °C</td>
<td>138.35 °C</td>
</tr>
<tr>
<td>Melting Point °C</td>
<td>13.2°C</td>
</tr>
<tr>
<td>Relative Vapour Density (Air=1)</td>
<td>3.7</td>
</tr>
<tr>
<td>Flash point °C</td>
<td>25°C Closed cup</td>
</tr>
<tr>
<td>Auto ignition °C</td>
<td>528 °C</td>
</tr>
<tr>
<td>Vapour pressure (mmHg) @ 25 °C</td>
<td>8.84</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>106.16</td>
</tr>
<tr>
<td>Explosive limits in air % by volume</td>
<td>LEL 1.1% UEL 7.0%</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>Viscosity cP @20 °C</td>
<td>0.648</td>
</tr>
<tr>
<td>Pour point</td>
<td>NA</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>9.9 (ether=1)</td>
</tr>
<tr>
<td>Octanol/water partition coefficient log Kow</td>
<td>3.15</td>
</tr>
<tr>
<td>% volatile</td>
<td>NA</td>
</tr>
</tbody>
</table>

NA: NOT AVAILABLE

Section 10 –CHEMICAL STABILITY AND REACTIVITY INFORMATION

10.1 Conditions to avoid
Prolonged exposure of containers or tank cars to heat or fire may cause the material to expand with possible container rupture

10.2 Material to avoid
Very dangerous fire hazard when exposed to oxidizers

10.3 Hazardous decomposition products
Thermal decomposition generates carbon monoxide and carbon dioxide.

10.4 Incompatibilities: Strong oxidizers, Strong acids
Source: - NIOSH Pocket Guide to Chemical Hazards

Section 11 –TOXICOLOGICAL INFORMATION

11.1 Acute effects
Product irritates eyes and skin. High vapor concentrations irritate respiratory system and eyes.
Acute toxicity data:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Route</th>
<th>Species</th>
<th>Values</th>
<th>Exposure period</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50</td>
<td>Oral</td>
<td>Rat</td>
<td>3.523 mg/Kg</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>


11.2 Repeated dose toxicity
Chronic effects cause irritation

11.3 Sensitisation
May cause skin irritation.

11.4 CMR effects (carcinogenicity, mutagenicity, toxicity for reproduction)
Not a CMR

11.5 Toxic kinetics, metabolism, distribution
Not applicable.

Section 12 –ECOLOGICAL INFORMATION

12.1 Eco toxicity data:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Route</th>
<th>Species</th>
<th>Values</th>
<th>Exposure period</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50</td>
<td>Inhalation</td>
<td>Shrimp</td>
<td>2.0 ppm</td>
<td>96 hours</td>
</tr>
<tr>
<td>LC50</td>
<td>Inhalation</td>
<td>Fathead minnow</td>
<td>8400 ug/L</td>
<td>96 hours</td>
</tr>
</tbody>
</table>
Data Reference: http://toxnet.nlm.nih.gov/cgi-bin/sis/search./

12.3 Persistence and degradability: Substance is biodegradable
12.4 Bio accumulative potential: Potential for bio concentration in aquatic organisms is low
12.5 Results of PBT assessment Persistence and Degradation: NA
12.6 Other adverse effects
Environmental Fate: In air, xylenes degrade by reacting with photochemically produced hydroxyl radicals. In soil it will volatilize and reach into groundwater. Vapour-phase xylene is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; ambient levels of xylene are detected in the atmosphere due to large emissions of this compound.

Section 13– DISPOSAL CONSIDERATION

Local Legislation: Disposal should be in accordance with applicable regional, national, and local laws and regulations. This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.
13.1 Recommended disposal methods for the substance / preparation
Product reuse or disposal in accordance with valid waste legislative regulations.
13.2 Recommended disposal methods for contaminated packaging
Product is transported in tank vehicles.
13.3 Waste management measures that control exposure of humans and environment
Proceed in accordance with valid health, air and water legislative regulations.
13.4 Waste regulation: Follow local regulation.

Section 14– TRANSPORT INFORMATION

International Transport Regulation:
ADR/RID (Road/Rail), IMDG (Sea) and ICAO/IATA (Air)
14.1 Proper Shipping Name: Paraxylene
Hazard Class: 3, Flammable Liquid
UN Number: 1307
PACKING GROUP: III
Packaging Instructions: P001/IBC02
Portable Tank: T4/TP1
Emergency Action Code: 3YE
14.2 Special transport precautionary measures
Not applicable.
Section 15 – REGULATORY INFORMATION

(M)SDS format on a 16 Section based on guidance provided in:

**Indian Regulation:**
The Factories Act 1948

**International Regulations:**
European SDS Directive
ANSI MSDS Standard
ISO 11014-1 1994
WHMIS Requirements
**United States**
Hazard Communication Standard
**Canada**
Hazardous Products Act and Controlled Products Regulations
**Europe**
Dangerous Substance and Preparations Directives
**Australia**
National Model Regulations for the Control of Workplace Hazardous Substances
The Globally Harmonized System of Classification and Labeling of Chemicals endorsed by The UN Economic and Social Council

*RISK PHRASES: R10 Flammable, R20 Harmful by inhalation, R21 Harmful in contact with skin, R38 Irritating to skin.

*SAFETY PHRASES: S2 Keep out of the reach of children, S9 Keep container in a well-ventilated place, S16 Keep away from sources of ignition, S24 Avoid contact with skin, S25 Avoid contact with eyes, S29 Do not empty into drains.

*These standard risk and safety phrases for use when interpreting (Material) Safety data Sheets are derived from the European Union Regulation, CHIP Regulations – Chemicals (Hazard Information and Packaging for Supply). They are required to be used in (Materials) Safety Data Sheets to identify potential hazards and offer safe handling advice.

Section 16 – OTHER INFORMATION

Training instructions
Personnel handling the product has to be acquainted demonstrably with its hazardous properties, with heath and environmental protection principles related to the product and first aid principles. Tremcard details/Reference: Refer Section 14

Local bodies involved (With in India Only): Additional District Magistrate and Local Crisis Group

Sources of data used to compile the (Material) Safety Data Sheet


(M)SDS Revision Status:

<table>
<thead>
<tr>
<th>Date of Revision</th>
<th>Revised Sections</th>
<th>Supersedes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sep. 01, 2009</td>
<td>Format revised</td>
<td>Feb. 01, 2008</td>
</tr>
<tr>
<td>Sep. 01, 2011</td>
<td>Section 4 (4.3)</td>
<td>Sep. 01, 2009</td>
</tr>
<tr>
<td>Aug. 01, 2013</td>
<td>Section 2 NFPA Hazard statement</td>
<td>Sep. 01, 2011</td>
</tr>
<tr>
<td>April 01, 2016</td>
<td>Section 1.3,2,12,14</td>
<td>Aug. 01, 2013</td>
</tr>
<tr>
<td>June 30, 2021</td>
<td>Section 1.3,2,1,4,5,5,1,5,2,5,5,2,5,3,8,1,8,2,10,3,10,4,11,1,16</td>
<td>April 01, 2016</td>
</tr>
</tbody>
</table>
This (M)SDS is issued by the Jamnagar (DTA) & Jamnagar (SEZ) manufacturing Divisions, Reliance Industries Limited

Contact Details: - For any enquiry/comment regarding this Material Safety Data Sheet, kindly contact the Jamnagar (DTA) SSM Office - +916354918737; (siteshiftmanager.jamnagar@zmail.ril.com)
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