## SAFETY DATA SHEET

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

### 1.1 Product identifier <br> Product name : HEAT-FLEX HI-TEMP 1200 High Temp Coating <br> Product code : H1200

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

Material uses : Paint or paint related material.
: Industrial use only.

### 1.3 Details of the supplier of the safety data

 sheetSherwin-Williams UK Limited - Protective \& Marine
Coatings Division EMEAI
Tower Works
Kestor Street
Bolton
BL2 2AL
United Kingdom
+44 (0) 1204521771
The Sherwin-Williams Company
Inver France SAS
2 Rue Jean Revaus - BP 80088-79102
Thouars CEDEX
France
: hse.pm.emea@sherwin.com responsible for this SDS

### 1.4 Emergency telephone number

## National advisory body/Poison Centre

Telephone number : 111 (general public) /0344 892111 (Medical professional (NHS) only)
Supplier

| Telephone number | $:+(44)-870-8200418$ |
| :--- | :--- |
| Hours of operation | $:$ Emergency contact available 24 hours a day |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

## Product definition

: Mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
Flam. Liq. 3, H226
Carc. 2, H351
Asp. Tox. 1, H304
Aquatic Chronic 2, H411
The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

## SECTION 2: Hazards identification

### 2.2 Label elements <br> Hazard pictograms

| Signal word |
| :--- |
| Hazard statements |

Precautionary statements
Prevention
: Danger
: Flammable liquid and vapour. May be fatal if swallowed and enters airways. Suspected of causing cancer. Toxic to aquatic life with long lasting effects.

Response

## Prevention

Storage
Disposal
Hazardous ingredients
Supplemental label elements
:


Special packaging requirements
Not applicable.

### 2.3 Other hazards

Other hazards which do
Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
Not applicable.
: Not applicable.
: Xylene, mixed isomers Heavy Aromatic Naphtha
: FOR INDUSTRIAL USE ONLY not result in classification

## SECTION 3: Composition/information on ingredients

### 3.2 Mixture

| Product/ingredient name | Identifiers | \% | Classification | Specific Conc. Limits, M-factors and ATEs | Type |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Xylene, mixed isomers | REACH \#: $01-2119488216-32$ EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9 | <10 | Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 | ATE [Dermal] = $1100 \mathrm{mg} / \mathrm{kg}$ ATE [Inhalation (gases)] = 6700 ppm | [1] [2] |
| Zinc Phosphate | EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6 | $\leq 10$ | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 | $\begin{aligned} & \mathrm{M} \text { [Acute] = } 1 \\ & \mathrm{M} \text { [Chronic] = } 1 \end{aligned}$ | [1] |
| Heavy Aromatic Naphtha | $\begin{aligned} & \text { REACH \#: } \\ & 01-2119463588-24 \end{aligned}$ | $\leq 5$ | Carc. 2, H351 STOT SE 3, H336 |  | [1] |

## SECTION 3: Composition/information on ingredients

\begin{tabular}{|c|c|c|c|c|c|}
\hline \begin{tabular}{l}
Ethylbenzene \\
zinc oxide \\
Methyl n-Amyl Ketone \\
Octamethylcyclotetrasiloxane
\end{tabular} \& \begin{tabular}{l}
EC: 265-198-5 Index: 649-424-00-3 \\
REACH \#: \\
01-2119489370-35 \\
EC: 202-849-4 \\
CAS: 100-41-4 \\
Index: 601-023-00-4 \\
REACH \#: \\
01-2119463881-32 \\
EC: 215-222-5 \\
CAS: 1314-13-2 \\
Index: 030-013-00-7 \\
REACH \#: \\
01-2119902391-49 \\
EC: 203-767-1 \\
CAS: 110-43-0 \\
Index: 606-024-00-3 \\
REACH \#: \\
01-2119529238-36 \\
EC: 209-136-7 \\
CAS: 556-67-2 \\
Index: 014-018-00-1
\end{tabular} \& \[
\begin{aligned}
\& \leq 3 \\
\& \\
\& \\
\& \leq 3 \\
\& \leq 3 \\
\& \leq 0.1
\end{aligned}
\] \& \begin{tabular}{l}
Asp. Tox. 1, H304 Aquatic Chronic 2, H411 \\
Flam. Liq. 2, H225 \\
Acute Tox. 4, H332 \\
STOT RE 2, H373 \\
(hearing organs) \\
Asp. Tox. 1, H304 \\
Aquatic Chronic 3, \\
H412 \\
Aquatic Acute 1, H400 Aquatic Chronic 1, H410 \\
Flam. Liq. 3, H226 \\
Acute Tox. 4, H302 \\
Acute Tox. 4, H332 \\
STOT SE 3, H336 \\
Flam. Liq. 3, H226 \\
Repr. 2, H361f \\
Aquatic Chronic 1, H410 \\
See Section 16 for the full text of the H statements declared above.
\end{tabular} \& \begin{tabular}{l}
ATE [Inhalation (vapours)] \(=11 \mathrm{mg} /\) \\
M [Acute] \(=1\) \\
M [Chronic] = 1 \\
ATE [Oral] = 1600 \(\mathrm{mg} / \mathrm{kg}\) \\
ATE [Inhalation (vapours)] \(=11 \mathrm{mg} /\) \\
M [Chronic] \(=10\)
\end{tabular} \& [1] [2]

[1]

[1] [2]

$[1][3]$
$[4]$ <br>
\hline
\end{tabular}

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

## Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General

Eye contact
Inhalation

Skin contact

Ingestion
Protection of first-aiders
: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
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.

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

## SECTION 4: First aid measures

There are no data available on the mixture itself. Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.
Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.
If splashed in the eyes, the liquid may cause irritation and reversible damage.
Ingestion may cause nausea, diarrhea and vomiting.
This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

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

| Notes to physician | $:$Treat symptomatically. Contact poison treatment specialist immediately if large <br>  <br>  <br> Specific treatments |
| :--- | :--- |
| $:$ quantities have been ingested or inhaled. |  |

See toxicological information (Section 11)

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

## Suitable extinguishing media

: Recommended: alcohol-resistant foam, $\mathrm{CO}_{2}$, powders, water spray or mist.

Unsuitable extinguishing : Do not use water jet. media
5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

Hazardous combustion products
: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

### 5.3 Advice for firefighters

Special protective actions for fire-fighters

Special protective equipment for fire-fighters
: Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.
: Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8. |
| :---: | :---: |
|  | Keep unnecessary and unprotected personnel from entering. |
| 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". |

## SECTION 6: Accidental release measures

### 6.2 Environmental precautions

: Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### 6.3 Methods and material for containment and cleaning up

### 6.4 Reference to other sections

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.
: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

: Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.
Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.
Operators should wear antistatic footwear and clothing and floors should be of the conducting type.
Keep away from heat, sparks and flame. No sparking tools should be used.
Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Put on appropriate personal protective equipment (see Section 8).
Never use pressure to empty. Container is not a pressure vessel.
Always keep in containers made from the same material as the original one.
Comply with the health and safety at work laws.
Do not allow to enter drains or watercourses.
Information on fire and explosion protection
Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

### 7.2 Conditions for safe storage, including any incompatibilities

## : Store in accordance with local regulations.

## Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.
Additional information on storage conditions
Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Contaminated absorbent material may pose the same hazard as the spilt product.
Store in closed original container at temperatures between $5^{\circ} \mathrm{C}$ and $30^{\circ} \mathrm{C}$.

## SECTION 7: Handling and storage

### 7.3 Specific end use(s)

## Recommendations : Not available. <br> Industrial sector specific : Not available. solutions

Good housekeeping standards, regular safe removal of waste materials and regular maintenance of spray booth filters will minimise the risks of spontaneous combustion and other fire hazards.
Before use of this material please refer to the Exposure Scenario(s) if attached for the specific end use, control measures and additional PPE considerations.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
| :---: | :---: |
| Xylene, mixed isomers | EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m-, p- or mixed isomers] Absorbed through skin. <br> STEL: $441 \mathrm{mg} / \mathrm{m}^{3} 15$ minutes. <br> TWA: 50 ppm 8 hours. <br> TWA: $220 \mathrm{mg} / \mathrm{m}^{3} 8$ hours. <br> STEL: 100 ppm 15 minutes. |
| Ethylbenzene | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. <br> STEL: $552 \mathrm{mg} / \mathrm{m}^{3} 15$ minutes. <br> STEL: 125 ppm 15 minutes. <br> TWA: 100 ppm 8 hours. <br> TWA: $441 \mathrm{mg} / \mathrm{m}^{3} 8$ hours. |
| Methyl n-Amyl Ketone | EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. <br> STEL: $475 \mathrm{mg} / \mathrm{m}^{3} 15$ minutes. <br> STEL: 100 ppm 15 minutes. <br> TWA: $237 \mathrm{mg} / \mathrm{m}^{3} 8$ hours. <br> TWA: 50 ppm 8 hours. |

## Biological exposure indices

| Product/ingredient name | Exposure indices |
| :--- | :--- |
| xylene | EH40/2005 BMGVs (United Kingdom (UK), 8/2018) [Xylene, o-, |
|  | m-, p-or mixed isomers] |
|  | BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine]. |
|  | Sampling time: post shift. |

Recommended monitoring procedures
: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
: Regular monitoring of all work areas should be carried out at all times, including areas that may not be equally ventilated.

## DNELs/DMELs

## SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Type | Exposure | Value | Population | Effects |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Xylene, mixed isomers | DNEL | -ong term Dermal | $212 \mathrm{mg} / \mathrm{m}^{3}$ | Workers | Systemic |
|  | DNEL | -ong term Dermal | $125 \mathrm{mg} / \mathrm{kg}$ | General population | Systemic |
|  | DNEL | -ong term Inhalation | 221 mg/m ${ }^{3}$ | Workers | Systemic |
|  | DNEL | Short term | $289 \mathrm{mg} / \mathrm{m}^{3}$ | Workers | Systemic |
|  | DNEL | Short term Inhalation | $442 \mathrm{mg} / \mathrm{m}^{3}$ | Workers | Local |
|  | DNEL | -ong term nhalation | $65.3 \mathrm{mg} / \mathrm{m}^{3}$ | General population | Systemic |
|  | DNEL | Short term | 260 mg/m ${ }^{3}$ | General | Local |
|  | DNEL | Short term Inhalation | 174 mg/m ${ }^{3}$ | General population | Systemic |
|  | DNEL | -ong term Oral | $1.5 \mathrm{mg} / \mathrm{kg}$ | General population | Systemic |
| Heavy Aromatic Naphtha | DNEL | -ong term Dermal | $12.5 \mathrm{mg} /$ kg bw/day | Workers | Systemic |
|  | DNEL | -ong term Inhalation | $151 \mathrm{mg} / \mathrm{m}^{3}$ | Workers | Systemic |
|  | DNEL | -ong term Dermal | $7.5 \mathrm{mg} / \mathrm{kg}$ bw/day | General population [Consumers] | Systemic |
|  | DNEL | -ong term nhalation | $32 \mathrm{mg} / \mathrm{m}^{3}$ | General population [Consumers] | Systemic |
|  | DNEL | -ong term Oral | $7.5 \mathrm{mg} / \mathrm{kg}$ bw/day | General population [Consumers] | Systemic |
| zinc oxide | DNEL | -ong term Inhalation | $5 \mathrm{mg} / \mathrm{m}^{3}$ | Workers | Systemic |
|  | DNEL | -ong term Inhalation | $0.5 \mathrm{mg} / \mathrm{m}^{3}$ | Workers | Local |
|  | DNEL | -ong term Dermal | $83 \mathrm{mg} / \mathrm{kg}$ bw/day | Workers | Systemic |
|  | DNEL | -ong term Inhalation | $2.5 \mathrm{mg} / \mathrm{m}^{3}$ | General population | Systemic |
|  | DNEL | -ong term Dermal | $83 \mathrm{mg} / \mathrm{kg}$ bw/day | General population | Systemic |
|  | DNEL | -ong term Oral | $0.83 \mathrm{mg} /$ kg bw/day | General population | Systemic |
| Methyl n-Amyl Ketone | DNEL | Short term nhalation | $\begin{aligned} & 1516 \mathrm{mg} / \\ & \mathrm{m}^{3} \end{aligned}$ | Workers | Systemic |
|  | DNEL | -ong term Dermal | $\begin{aligned} & 54.27 \mathrm{mg} / \\ & \mathrm{kg} \end{aligned}$ | Workers | Systemic |
|  | DNEL | -ong term Inhalation | $\begin{aligned} & 394.25 \mathrm{mg} / \\ & \mathrm{m}^{3} \end{aligned}$ | Workers | Systemic |
|  | DNEL | -ong term Dermal | $23.32 \mathrm{mg} /$ kg bw/day | General population [Consumers] | Systemic |
|  | DNEL | -ong term Inhalation | $\begin{aligned} & 84.31 \mathrm{mg} / \\ & \mathrm{m}^{3} \end{aligned}$ | General population [Consumers] | Systemic |
|  | DNEL | -ong term Oral | $23.32 \mathrm{mg} /$ kg bw/day | General population [Consumers] | Systemic |
| Octamethylcyclotetrasiloxane | DNEL | -ong term Oral | $3.7 \mathrm{mg} / \mathrm{kg}$ | General population | Systemic |

## SECTION 8: Exposure controls/personal protection

|  | DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL DNEL | Short term Oral <br> Short term Inhalation -ong term Inhalation -ong term Inhalation <br> Short term Inhalation Short term Inhalation Short term nhalation -ong term Inhalation -ong term Inhalation | $3.7 \mathrm{mg} / \mathrm{kg}$ $13 \mathrm{mg} / \mathrm{m}^{3}$ $13 \mathrm{mg} / \mathrm{m}^{3}$ $13 \mathrm{mg} / \mathrm{m}^{3}$ $13 \mathrm{mg} / \mathrm{m}^{3}$ $73 \mathrm{mg} / \mathrm{m}^{3}$ $73 \mathrm{mg} / \mathrm{m}^{3}$ $73 \mathrm{mg} / \mathrm{m}^{3}$ $73 \mathrm{mg} / \mathrm{m}^{3}$ | General population General population General population General population General population Workers <br> Workers <br> Workers <br> Workers | Systemic Systemic Systemic Local Local Systemic Local Local Systemic |
| :---: | :---: | :---: | :---: | :---: | :---: |

## PNECs

| Product/ingredient name | Compartment Detail | Value | Method Detail |
| :---: | :---: | :---: | :---: |
| zinc oxide | Fresh water | $0.0206 \mathrm{mg} / \mathrm{l}$ | - |
|  | Marine water | 0.0061 mg/l | - |
|  | Sewage Treatment Plant | 0.1 mg/l | - |
|  | Fresh water sediment | 117.8 mg/kg dwt | - |
|  | Marine water sediment | $56.5 \mathrm{mg} / \mathrm{kg}$ dwt | - |
|  | Soil | $35.6 \mathrm{mg} / \mathrm{kg} \mathrm{dwt}$ | - |
| Methyl n-Amyl Ketone | Fresh water | $0.0982 \mathrm{mg} / \mathrm{l}$ | - |
|  | Marine water | $0.00982 \mathrm{mg} / \mathrm{l}$ | - |
|  | Fresh water sediment | $1.89 \mathrm{mg} / \mathrm{kg}$ | - |
|  | Marine water sediment | $0.189 \mathrm{mg} / \mathrm{kg}$ | - |
|  | Soil | $0.321 \mathrm{mg} / \mathrm{kg}$ | - |
|  | Sewage Treatment Plant | $12.5 \mathrm{mg} / \mathrm{l}$ | - |
| Octamethylcyclotetrasiloxane | Fresh water | $1.5 \mu \mathrm{~g} / \mathrm{l}$ | - |
|  | Marine water | $0.15 \mu \mathrm{~g} / \mathrm{l}$ | - |
|  | Fresh water sediment | $0.64 \mathrm{mg} / \mathrm{kg}$ | - |
|  | Soil | $0.84 \mathrm{mg} / \mathrm{kg}$ | - |
|  | Sewage Treatment Plant | $10 \mathrm{mg} / \mathrm{l}$ | - |
|  | Marine water sediment | $0.064 \mathrm{mg} / \mathrm{kg}$ | - |
|  | Secondary Poisoning | $41 \mathrm{mg} / \mathrm{kg}$ | - |

### 8.2 Exposure controls

Appropriate engineering controls
: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.
: Users are advised to consider national Occupational Exposure Limits or other equivalent values.

## Individual protection measures

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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection : Use safety eyewear designed to protect against splash of liquids.

## SECTION 8: Exposure controls/personal protection

## Skin protection

Hand protection Gloves

## Body protection

## Other skin protection

## Respiratory protection

## Environmental exposure controls

: Wear suitable gloves tested to EN374.
: Gloves for term exposure/splash protection (less than 10 min ):Nitrile $>0.12 \mathrm{~mm}$ Gloves for splash protection need to be changed immediately when in contact with chemicals.
Gloves for repeated or prolonged exposure (breakthrough time > 240 min.) When the hazardous ingredients in Section 3 contain any of the following: Aromatic solvents (Xylene, Toluene) or Aliphatic solvents or Mineral Oil use: Polyvinyl alcohol (PVA) gloves 0.2-0.3 mm Otherwise use: Butyl gloves $>0.3 \mathrm{~mm}$ For long term exposure or spills (breakthrough time $>480 \mathrm{~min}$.): Use PE laminated gloves as under gloves
Due to many conditions (e.g. temperature, abrasion) the practical usage of a chemical protective glove in practice may be much shorter than the permeation time determined through testing.
The recommendation for the type or types of glove to usewhen handling this product is based on information from the following source: Solvent resin manufacturers and European Solvents Industry Group (ESIG).
There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.
The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.
Gloves should be replaced regularly and if there is any sign of damage to the glove material.
Always ensure that gloves are free from defects and that they are stored and used correctly.
The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.
Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
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.
: Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
: Application methods:
Brush or roller. Approved/certified respirator with organic vapour cartridge. Filter type: A2 P2 (EN14387).
Manual spraying. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Before use of this material please refer to the Exposure Scenario(s) if attached for the specific end use, control measures and additional PPE considerations. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

## Appearance

| Physical state | : Liquid. |
| :--- | :--- |
| Colour | $:$ Grey. |

Odour : Solvent.

Odour threshold : Not Available (Not Tested).
pH
Melting point/freezing point
Initial boiling point and
boiling range
Flash point
Evaporation rate
Flammability
Lower and upper explosion
limit
: Not relevant/applicable due to nature of the product. insoluble in water.
: Not relevant/applicable due to nature of the product.
: $136^{\circ} \mathrm{C}$
: Closed cup: $31^{\circ} \mathrm{C}$ [Pensky-Martens Closed Cup]
: 0.8 (butyl acetate = 1)
: Flammable liquid.
: LEL: 0.8\% (Heavy Aromatic Naphtha)
UEL: 7.9\% (Methyl n-Amyl Ketone)
Vapour pressure $\quad: 0.95 \mathrm{kPa}(7.1 \mathrm{~mm} \mathrm{Hg})$
Relative vapour density
: 3.66 [Air = 1]
Relative density : 1.93
Solubility(ies)

| Media | Result |
| :--- | :--- |
| cold water | Not soluble |

Partition coefficient: n-octanol/ : Not relevant/applicable due to nature of the product. water

Auto-ignition temperature :

| Ingredient name | ${ }^{\circ} \mathrm{C}$ | ${ }^{\circ} \mathrm{F}$ | Method |
| :--- | :--- | :--- | :--- |
| Methyl n-Amyl Ketone <br> Heavy Aromatic Naphtha | 392 <br> 400 | 757.6 |  |

Decomposition temperature : Not relevant/applicable due to nature of the product.
Viscosity : Kinematic ( $40^{\circ} \mathrm{C}$ ): <20.5 mm²/s
Explosive properties : Under normal conditions of storage and use, hazardous reactions will not occur.
Oxidising properties : Under normal conditions of storage and use, hazardous reactions will not occur.
Particle characteristics
Median particle size : Not relevant/applicable due to nature of the product.

### 9.2 Other information

Heat of combustion
: $5.996 \mathrm{~kJ} / \mathrm{g}$

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability : Stable under recommended storage and handling conditions (see Section 7).
10.3 Possibility of hazardous reactions

## SECTION 10: Stability and reactivity

10.4 Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition products.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

There are no data available on the mixture itself. Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.
Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.
If splashed in the eyes, the liquid may cause irritation and reversible damage.
Ingestion may cause nausea, diarrhea and vomiting.
This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

## Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
| :--- | :--- | :--- | :--- | :--- |
| Xylene, mixed isomers | LC50 Inhalation Gas. | Rat | 6700 ppm | 4 hours |
| Ethylbenzene | LD50 Oral | Rat | $4300 \mathrm{mg} / \mathrm{kg}$ | - |
|  | LD50 Dermal | Rabbit | $>5000 \mathrm{mg} / \mathrm{kg}$ | - |
| Methyl n-Amyl Ketone | LD50 Oral | Rat | $3500 \mathrm{mg} / \mathrm{kg}$ | - |
| Octamethylcyclotetrasiloxane | LC50 Inhalation Vapour | Rat | $1600 \mathrm{mg} / \mathrm{kg}$ | - |
|  | LD50 Dermal | Rat | $36 \mathrm{~g} / \mathrm{m}^{3}$ | 4 hours |
|  | LD50 Oral | Rat | $1770 \mathrm{mg} / \mathrm{kg}$ | - |

## Acute toxicity estimates

| Route | ATE value |
| :--- | :--- |
| Oral | $77149.65 \mathrm{mg} / \mathrm{kg}$ |
| Dermal | $11109.25 \mathrm{mg} / \mathrm{kg}$ |
| Inhalation (gases) | 67665.45 ppm |
| Inhalation (vapours) | $227.93 \mathrm{mg} / \mathrm{l}$ |

Irritation/Corrosion

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II
HEAT-FLEX HI-TEMP 1200 High Temp Coating
H1200

## SECTION 11: Toxicological information

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Xylene, mixed isomers | Eyes - Mild irritant | Rabbit | - | 87 mg | - |
|  | Eyes - Severe irritant | Rabbit | - | 24 hours 5 | - |
|  | Skin - Mild irritant | Rat | - | 8 hours 60 uL | - |
|  | Skin - Moderate irritant | Rabbit | - | 100 \% | - |
|  | Skin - Moderate irritant | Rabbit | - | 24 hours 500 | - |
| Heavy Aromatic Naphtha | Skin - Mild irritant | Rabbit | - | 24 hours 500 UI | - |
| Ethylbenzene | Eyes - Severe irritant | Rabbit | - | 500 mg | - |
|  | Skin - Mild irritant | Rabbit | - | 24 hours 15 mg | - |
| zinc oxide | Eyes - Mild irritant | Rabbit | - | 24 hours 500 | - |
|  | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| Methyl n-Amyl Ketone | Skin - Mild irritant | Rabbit | - | 24 hours 14 mg | - |
| Octamethylcyclotetrasiloxane | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
|  | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |

## Conclusion/Summary

: Not available.

## Sensitisation

No data available
Conclusion/Summary : Not available.

## Mutagenicity

No data available

## Carcinogenicity

No data available

## Reproductive toxicity

No data available

## Teratogenicity

No data available
Specific target organ toxicity (single exposure)

| Product/ingredient name | Category | Route of <br> exposure | Target organs |
| :--- | :--- | :--- | :--- |
| Xylene, mixed isomers | Category 3 | - | Respiratory tract <br> irritation <br> Neavy Aromatic Naphtha <br> Methyl n-Amyl Ketone |
| Category 3 |  |  |  |
| Category 3 |  |  |  |

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Category | Route of <br> exposure | Target organs |
| :--- | :--- | :--- | :--- |
| Xylene, mixed isomers <br> Ethylbenzene | Category 2 <br> Category 2 | - | - |
| hearing organs |  |  |  |

Aspiration hazard

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II
HEAT-FLEX HI-TEMP 1200 High Temp Coating
H1200

## SECTION 11: Toxicological information

| Product/ingredient name | Result |
| :--- | :--- |
| Xylene, mixed isomers | ASPIRATION HAZARD - Category 1 |
| Heavy Aromatic Naphtha | ASPIRATION HAZARD - Category 1 |
| Ethylbenzene | ASPIRATION HAZARD - Category 1 |

### 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

Not available.

### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

There are no data available on the mixture itself.
Do not allow to enter drains or watercourses.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]. See Sections 2 and 3 for details.

| Product/ingredient name | Result | Species | Exposure |
| :---: | :---: | :---: | :---: |
| Xylene, mixed isomers | Acute LC50 $8500 \mu \mathrm{~g} / \mathrm{l}$ Marine water | Crustaceans - Palaemonetes pugio | 48 hours |
|  | Acute LC50 13400 gg/l Fresh water | Fish - Pimephales promelas | 96 hours |
| Zinc Phosphate Ethylbenzene | Acute LC50 $90 \mu \mathrm{~g} / \mathrm{l}$ Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
|  | Acute EC50 $4900 \mu \mathrm{~g} / \mathrm{l}$ Marine water | Algae - Skeletonema costatum | 72 hours |
|  | Acute EC50 $7700 \mu \mathrm{~g} / \mathrm{l}$ Marine water | Algae - Skeletonema costatum | 96 hours |
|  | Acute EC50 $6.53 \mathrm{mg} / \mathrm{l}$ Marine water | Crustaceans - Artemia sp. Nauplii | 48 hours |
|  | Acute EC50 2.93 mg/l Fresh water | Daphnia - Daphnia magna Neonate | 48 hours |
|  | Acute LC50 $4200 \mu \mathrm{~g} / \mathrm{l}$ Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| zinc oxide | Acute IC50 $1.85 \mathrm{mg} / \mathrm{I}$ Marine water | Algae - Skeletonema costatum | 96 hours |
|  | Acute LC50 $98 \mu \mathrm{~g} / \mathrm{l}$ Fresh water | Daphnia - Daphnia magna Neonate | 48 hours |
|  | Acute LC50 1.1 ppm Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| Methyl n-Amyl Ketone Octamethylcyclotetrasiloxane | Acute LC50 131000 g //I Fresh water | Fish - Pimephales promelas | 96 hours |
|  | Acute LC50 0.204 to $3.483 \mathrm{mg} / \mathrm{I}$ Fresh water | Fish - Leuciscus idus ssp. melanotus | 96 hours |
|  | Chronic NOEC $7.9 \mu \mathrm{~g} / \mathrm{I}$ Fresh water | Daphnia - Daphnia magna | 21 days 93 days |
|  | Chronic NOEC $4.4 \mu \mathrm{~g} / \mathrm{l}$ Fresh water | Fish - Oncorhynchus mykiss Egg | 93 days |

### 12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
| :--- | :--- | :--- | :--- | :--- |
| No data available |  |  |  |  |
| Conclusion/Summary $:$ Sot available. |  |  |  |  |
| Product/ingredient name Aquatic half-life Photolysis Biodegradability <br> Xylene, mixed isomers <br> Ethylbenzene <br> Methyl n-Amyl Ketone - - Readily <br> Readily <br> Readily |  |  |  |  |

### 12.3 Bioaccumulative potential

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II
HEAT-FLEX HI-TEMP 1200 High Temp Coating
H1200

## SECTION 12: Ecological information

| Product/ingredient name | LogP $_{\text {ow }}$ | BCF | Potential |
| :--- | :--- | :--- | :--- |
| Xylene, mixed isomers | - | 8.1 to 25.9 | Low |
| Zinc Phosphate | - | 60960 | High |
| Heavy Aromatic Naphtha | - | 99 to 5780 | High |
| zinc oxide | 28960 | High |  |
| Octamethylcyclotetrasiloxane | - | 13400 | High |

### 12.4 Mobility in soil

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

### 12.5 Results of PBT and vPvB assessment

| Product/ingredient name | PBT | P | B | T | vPvB | vP | vB |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| xylene | No | N/A | No | Yes | No | N/A | No |
| heptan-2-one | No | N/A | N/A | No | N/A | N/A | N/A |
| octamethylcyclotetrasiloxane | SVHC | Specified | Specified | Specified | SVHC | Specified | Specified |
|  | (Candidate) |  |  |  | (Candidate) |  |  |

### 12.6 Endocrine disrupting properties

Not available.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

## Product

## Packaging

Methods of disposal

Disposal considerations : Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

## SECTION 13: Disposal considerations

## European waste catalogue (EWC)

Special precautions
: packaging containing residues of or contaminated by hazardous substances 1501 10*
: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless 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

|  | ADR/RID | IMDG | IATA |
| :--- | :--- | :--- | :--- |
| 14.1 UN number <br> or ID number | UN1263 | UN1263 | UN1263 |
| 14.2 UN proper <br> shipping name | PAINT | PAINT. Marine pollutant (Zinc <br> Phosphate, Heavy Aromatic <br> Naphtha) | PAINT |
| 14.3 Transport <br> Hazard Class(es)/ <br> Label(s) | 3 | 3 | 3 |
| 14.4 Packing <br> group | III | Yes. | Yes. |
| 14.5 <br> Environmental <br> hazards | Yes. | Yes. The environmentally <br> hazardous substance mark is <br> not required. |  |
| Additional <br> information | The environmentally <br> hazardous substance mark is <br> not required when transported <br> in sizes of $\leq 5 ~ L$ or $\leq 5$ kg. <br> Tunnel code D/E | The marine pollutant mark is <br> not required when transported <br> in sizes of $\leq 5 ~ L$ or $\leq 5$ kg. <br> Emergency schedules F-E, <br> S-E | The environmentally <br> hazardous substance mark <br> may appear if required by <br> other transportation <br> regulations. |

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are user


#### Abstract

14.7 Maritime transport in : Not applicable. bulk according to IMO instruments Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.


## SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

## Annex XIV - List of substances subject to authorisation

## Annex XIV

None of the components are listed.
Substances of very high concern

| Ingredient name | Intrinsic property | Status | Reference <br> number | Date of <br> revision |
| :--- | :--- | :--- | :--- | :--- |
| Octamethylcyclotetrasiloxane <br> Octamethylcyclotetrasiloxane | PBT <br> vPvB | Candidate <br> Candidate | - | - |

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Product/ingredient name | $\%$ | Designation [Usage] |
| :--- | :--- | :--- |
| HEAT-FLEX HI-TEMP 1200 High Temp Coating | $\geq 90$ | 3 |
| octamethylcyclotetrasiloxane | $\leq 0.1$ | 70 |
| toluene | $\leq 0.1$ | 48 |
| 2-(2-butoxyethoxy)ethanol | $\leq 0.1$ | 55 [Consumer paint] |
| benzene | $<0.1$ | 5 |
| N-methyl-2-pyrrolidone | $\leq 0.1$ | 72 |
|  |  | 71 |

Labelling : Not applicable.

## Other EU regulations

VOC content (2010/75/EU) : 19.1 w/w 369 g/l

Explosive precursors : Not applicable.
Persistent Organic Pollutants

| Annex | Ingredient name | Status |
| :--- | :--- | :--- |
| Annex III | Polycyclic aromatic hydrocarbons | Listed |

## Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

## National regulations

| Product/ingredient name | List name | Name on list | Classification | Notes |
| :--- | :--- | :--- | :--- | :--- |
| Benzene | UK Occupational <br> Exposure Limits EH40 <br> - WEL | benzene; benzol | Carc. | - |
| crystalline silica, respirable <br> powder | UK Occupational <br> Exposure Limits EH40 <br> - WEL | silica, respirable <br> crystalline respirable <br> fraction | Carc. | - |

[^0]
## SECTION 16: Other information

Indicates information that has changed from previously issued version.

| Abbreviations and acronyms | ATE = Acute Toxicity Estimate <br> CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] <br> DMEL = Derived Minimal Effect Level <br> DNEL = Derived No Effect Level <br> EUH statement = CLP-specific Hazard statement <br> PBT = Persistent, Bioaccumulative and Toxic <br> PNEC = Predicted No Effect Concentration <br> RRN = REACH Registration Number <br> vPvB = Very Persistent and Very Bioaccumulative <br> N/A = Not available |
| :---: | :---: |
| Key literature references and sources for data | Regulation (EC) No. 1272/2008 [CLP] <br> ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road <br> IATA = International Air Transport Association <br> IMDG = International Maritime Dangerous Goods <br> Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 <br> Directive 2012/18/EU, and relative amendments \& additions Directive 2008/98/EC, and relative amendments \& additions Directive 2009/161/EU, and relative amendments \& additions CEPE Guidelines |

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification | Justification |
| :--- | :--- |
| Flam. Liq. 3, H226 | On basis of test data <br> Carc. 2, H351 <br> Calculation method <br> Calculation method <br> Asp. Tox. 1, H304 <br> Aquatic Chronic 2, H411 |


| Full text of abbreviated H statements | : H225 H226 H302 H304 H312 H315 H319 H332 H335 H336 H351 H361f H373 H400 H410 H411 H412 | Highly flammable liquid and vapour. <br> Flammable liquid and vapour. <br> Harmful if swallowed. <br> May be fatal if swallowed and enters airways. <br> Harmful in contact with skin. <br> Causes skin irritation. <br> Causes serious eye irritation. <br> Harmful if inhaled. <br> May cause respiratory irritation. <br> May cause drowsiness or dizziness. <br> Suspected of causing cancer. <br> Suspected of damaging fertility. <br> May cause damage to organs through prolonged or repeated <br> exposure. <br> Very toxic to aquatic life. <br> Very toxic to aquatic life with long lasting effects. <br> Toxic to aquatic life with long lasting effects. <br> Harmful to aquatic life with long lasting effects. |
| :---: | :---: | :---: |
| Full text of classifications [CLP/GHS] | Acute Tox. 4 Aquatic Acute 1 | ACUTE TOXICITY - Category 4 <br> SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 |
|  | Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD Category 1 |
|  | Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD Category 2 |
|  | Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD Category 3 |

Asp. Tox. 1
Carc. 2
Eye Irrit. 2
Flam. Liq. 2
Flam. Liq. 3
Repr. 2
Skin Irrit. 2
STOT RE 2
STOT SE 3

ASPIRATION HAZARD - Category 1
CARCINOGENICITY - Category 2
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
FLAMMABLE LIQUIDS - Category 2
FLAMMABLE LIQUIDS - Category 3
REPRODUCTIVE TOXICITY - Category 2
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

| Date of printing | $: 15$, Apr, 2024. |
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|  | $:$If there is no previous validation date please contact your supplier for more <br> information. |
|  | $: 18$ |

## Notice to reader

In accordance with Regulation (EC) 1907/2006, REACH Regulation, Articles 31, 37, any required hazard-related information on the use of substances received as downstream user will be sent forward. Consequently, the safety data sheets for some products will contain a SUMI - Safe Use of Mixture Information - attached to the safety data sheet.
SUMI(s) will be added to the SDS for products if both the following conditions are met:

- The product is classified as hazardous for health
- The product contains one or more REACH-registered substances for which extended safety data sheets (exposure scenarios) have been provided

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become make themselves aware of and understand the data contained in this SDS and any hazards that may be associated with the product. This information is provided in good faith and believed to be accurate as of the effective date mentioned herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can may change later the composition, hazards and risks of the product. Products shall should not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to, the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for the use of the product are not under the manufacturer's control of the manufacturer; the customer/buyer/user is responsible to for determine determining the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS, without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be held responsible for SDSs obtained from any other source.


[^0]:    15.2 Chemical safety
    : No Chemical Safety Assessment has been carried out.
    assessment

