

SAFETY DATA SHEET

TEXTOP

Version: 1302a



Review date: 16/01/2015

RE EC/453/2010 - ISO 11014-1

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1. 1. Product identifier: TEXTOP
1. 2. Relevant identified uses of the substance or mixture and uses advised against: /
1. 3. Details of the supplier of the safety data sheet: SOPREMA S.A.S.
14 Rue de Saint Nazaire - CS 60121
F-67025 STRASBOURG CEDEX
France
Phone: +33 (0)3 88 79 84 00
Fax: +33 (0)3 88 79 84 01
E-mail: mkulinicz@soprema.fr
1. 4. Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131
INTERNATIONAL EMERGENCY NUMBER : + 44 (0)1 235 239 670

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: /
2. 2. EC number: Not applicable.
2. 3. Contains:
- 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diiso
 - calcium oxide
 - Octyl-2-(4-chloro-2méthylphenoxy)propionate
 - 1-éthylpyrrolidine-2-one
2. 4. Label elements (R - S):
-  
2. 4. 1. Symbol(s): F - Highly flammable ; Xn - Harmful
2. 4. 2. R-phrase(s): 11 Highly flammable.
36/38 Irritating to eyes and skin.
42 May cause sensitization by inhalation.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2. 4. 3. S-phrase(s): 2 Keep out of the reach of children.
23 Do not breathe gas / fumes / vapour / spray.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
46 If swallowed, seek medical advice immediately and show this container or label.
2. 5. Further information(s): Contains isocyanates. May produce an allergic reaction. Contains 4-isocyanatosulphonyltoluene; tosyl isocyanate, 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diiso. May produce an allergic reaction.
2. 6. Other hazards: Highly flammable.
Irritating to eyes and skin.
May cause sensitization by inhalation.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:
- o-xylene [1]; p-xylene [2]; m-xylene [3]; xylene [4]
 - Id nr: 601-022-00-9 - CE nr: 215-535-7 - CAS nr: 1330-20-7
 - Conc. (weight %) : 5 < C <= 10
 - R-S : Classification: • R 10 • Xn; R 20/21 • Xi; R 38 •
 - SGH : SGH02 - Flam. Liq. 3 - Flame - Warning - H226 SGH07 - Acute Tox. 4 - Exclamation mark - Warning - H312 - H332 - Skin Irrit. 2 - H315
 - 4-isocyanatosulphonyltoluene; tosyl isocyanate

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- Id nr: 615-012-00-7 - CE nr: 223-810-8 - CAS nr: 4083-64-1
- Conc. (weight %) : 0 < C <= 1
- R-S : Classification: • R 14 • Xi; R 36/37/38 • R 42 •
- SGH : SGH08 - Resp. Sens. 1 - Health hazard - Danger - H334 - SGH07 - STOT SE 3 - Exclamation mark - 3-(H335) - Warning - Skin Irrit. 2 - H315 - Irr. oc. 2A - H319 - Irr. oc. 2B

- butanone; ethyl methyl ketone
- Id nr: 606-002-00-3 - CE nr: 201-159-0 - CAS nr: 78-93-3
- Conc. (weight %) : 10 < C <= 15
- R-S : Classification: • F; R11 Xi; R36 R66 R67 •
- SGH : SGH02 - Flam. Liq. 2 - Flame - Danger - H225 SGH07 - STOT SE 3 - Exclamation mark - Warning - H336 - Irr. oc. 2A - H319 - Irr. oc. 2B

- 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diiso
- Id nr: 615-005-00-9 - CAS nr: 25686-28-6
- Conc. (weight %) : 0 < C <= 1
- R-S : Classification: • Carc. Cat. 3; R40 • Xn; R20-48/20 • Xi; R36/37/38 • R42/43 •
- SGH : SGH07 - Acute Tox. 4 - Exclamation mark - Warning - H332 - SGH08 - Resp. Sens. 1 - Health hazard - Danger - H334 - Skin Sens. 1 - H317 - STOT SE 3 - 3-(H335) - Skin Irrit. 2 - H315 - Irr. oc. 2A - H319 - Irr. oc. 2B - Carc. 2 - H351

- calcium oxide
- CE nr: 215-138-9 - CAS nr: 1305-78-8 - REACH registration number : 01-2119475325-36-xxxx
- Conc. (weight %) : 5 < C <= 10
- R-S : Symbol(s): Xi - R-phrase(s): 37/38-41
- SGH : SGH07 - STOT SE 3 - Exclamation mark - 3-(H335) - Warning - Skin Irrit. 2 - H315 - SGH05 - Eye Dam. 1 - Corrosion - Danger - H318

- 2-methoxy-1-methylethyl acetate
- Id nr: 607-195-00-7 - CE nr: 203-603-9 - CAS nr: 108-65-6
- Conc. (weight %) : 0 < C <= 1
- R-S : Classification: • R10 •
- SGH : SGH02 - Flam. Liq. 3 - Flame - Warning - H226

- Octyl-2-(4-chloro-2méthylphenoxy)propionate
- CE nr: 266-358-7 - CAS nr: 66423-13-0 - REACH registration number : 01-2119928322-44-0000
- Conc. (weight %) : 0 < C <= 1
- R-S : Symbol(s): Xn N - R-phrase(s): 22-43-50/53
- SGH : SGH07 - Acute Tox. 4 - Exclamation mark - Warning - H302 - Skin Sens. 1 - H317 SGH09 - Aquatic. Chronic 1 - Environment - Warning - H410

- 1-éthylpyrrolidine-2-one
- CAS nr: .2687-91-4
- Conc. (weight %) : 0 < C <= 1
- R-S : Symbol(s): Xn - R-phrase(s): 41-61
- SGH : SGH05 - Eye Dam. 1 - Corrosion - Danger - H318 - SGH08 - Repr. 1B - Health hazard - H360

The wording of the sentences are mentioned at heading 16.

4. FIRST AID MEASURES

4. 1. Description of first aid measures:

- 4. 1. 1. General advice: Never give anything by mouth to an unconscious person.
- 4. 1. 2. Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth.
- 4. 1. 3. Skin contact: Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 15 minutes) and if necessary take medical advice.
- 4. 1. 4. Eye contact: Wash with plenty of water with eyes wide open, keeping soft contact lenses and take medical advice.
- 4. 1. 5. Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

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4. 2. Most important symptoms and effects, both acute and delayed:

4. 2. 1. Inhalation: May cause shortness of breath, tightness of the chest, a sore throat and cough. Respiration of solvent vapour may cause: Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
4. 2. 2. Skin contact: Repeated contact can lead to a durable disease of breathing system. Anyone who has shown symptoms of asthma due to this substance should avoid all further contact with this substance. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin
4. 2. 3. Eyes contact: Liquid splashes in the eye may cause irritation.
4. 2. 4. Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
4. 3. Indication of any immediate medical attention and special treatment needed : In all cases of doubt, or when symptoms persist, seek medical attention.

5. FIREFIGHTING MEASURES

5. 1. Extinguishing media: powder, alcohol-resistant foam, water spray, carbon dioxide
5. 2. Special hazards arising from the substance or mixture: Fire will produce dense black smoke. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.
5. 3. Advice for firefighters: Use a self-contained breathing apparatus and also a protective suit.
5. 4. Specific method(s): Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
5. 5. Extinguishing media which must NOT be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire.

6. ACCIDENTAL RELEASE MEASURES

6. 1. Personal precautions, protective equipment and emergency procedures: Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.
6. 2. Environmental precautions: Prevent liquid from entering sewers, watercourses, underground or low areas. Stop leak without risks if possible. Concerning disposal elimination after cleaning, see item 13.
6. 3. Methods and material for containment and cleaning up: Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Once this stage is reached, close the container and dispose of in accordance with the waste regulations (see Section 13).
6. 4. Reference to other sections: Concerning personal protective equipment to use, see item 8. Concerning product toxicity, see item 11 and about product stability and reactivity see item 10. Concerning disposal elimination after cleaning, see item 13.

7. HANDLING AND STORAGE

7. 1. Handling:
7. 1. 1. Precautions for safe handling: Smoking, eating and drinking is prohibited in areas of storage and use. Avoid contact with skin and eyes. For personal protection, see Section 8.
7. 1. 2. Technical condition(s): The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
7. 1. 3. Safe handling advice(s): Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.
7. 2. Storage:
7. 2. 1. Conditions for safe storage, including any incompatibilities: Observe the label precautions. Keep away from open flames, hot surfaces and sources of ignition. Store always product in container of same material as original container.
7. 2. 2. Technical condition(s): Not flammable and waterproof underground retention basin.
7. 2. 3. Storage condition(s): Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Containers which are opened should be properly resealed and kept upright to prevent leakage.
7. 2. 4. Packaging / tank material: made of the same material as the supply container.

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7. 3. Specific end use(s): waterproof resin

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8. 1. Control parameters:

8. 1. 1. Exposure limit(s):
- o-xylene [1]; p-xylene [2]; m-xylene [3]; xylene [4] : VME ppm = 50 - VME mg/m³ = 221 - VLE ppm = 100 - VLE mg/m³ = 442
 - butanone; ethyl methyl ketone : VME ppm = 200 - VME mg/m³ = 600 - VLE ppm = 300 - VLE mg/m³ = 900
 - 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diiso : VME ppm = 0,005 - VME mg/m³ = 0,051
 - calcium oxide : VME mg/m³ = 2
 - 2-methoxy-1-methylethyl acetate : VME ppm = 50 - VME mg/m³ = 275 - VLE ppm = 100 - VLE mg/m³ = 550

8. 1. 2. Engineering measure(s): 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/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.

8. 2. Exposure controls:

8. 2. 1. Respiratory protection: Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV.
8. 2. 2. Hand protection: neoprene or natural rubber gloves
PVC or other plastic material gloves
8. 2. 3. Skin and body protection: Wear suitable protective clothing
Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.
8. 2. 4. Eye protection: Wear security glasses which protect from splashes.
8. 3. Hygiene measure(s): Wash hands and face before break and at end of works.

9. PHYSICAL AND CHEMICAL PROPERTIES

9. 1. Information on basic physical and chemical properties:

9. 1. 1. Appearance: viscous liquid
9. 1. 2. Colour: brown
9. 1. 3. Odour: characteristic
9. 1. 4. PH: Not applicable.
9. 1. 5. Boiling point/range: Not determined.
9. 1. 6. Flash point: 2,5 °C
9. 1. 7. Explosion limits: Explosive limits are unknown in literature.
9. 1. 8. Vapour pressure: 26,1 kPa (à 50 °C)
9. 1. 9. Relative density (water = 1): 1.05
9. 1. 10. Bulk density: 1050 kg/cm³
9. 1. 11. Viscosity: 20 000 mPa/s
9. 2. Other information:
9. 2. 1. Water solubility: insoluble
9. 2. 2. Fat solubility: Not determined.
9. 2. 3. Solvent solubility: soluble in most organic solvents
9. 3. Other information: COV = cat A/i : 214 g/l

10. STABILITY AND REACTIVITY

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| 10. 1. Reactivity: | Stable under the recommended storage and handling conditions. (See Section 7). |
| 10. 2. Chemical stability: | Stable under the recommended storage and handling conditions. (See Section 7). |
| 10. 3. Possibility of hazardous reactions: | None reasonably foreseeable. |
| 10. 4. Conditions to avoid: | Avoid ignition sources. |
| 10. 5. Incompatible materials: | Keep away from oxidising agents and strongly alkaline and strongly acidic materials. |
| 10. 6. Hazardous decomposition products: | In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced. |

11. TOXICOLOGICAL INFORMATION

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|--|---|
| 11. 1. Information on toxicological effects: | No available information on preparation. |
| 11. 2. Acute toxicity: | |
| 11. 2. 1. Inhalation: | Not determined. |
| 11. 2. 2. Skin contact: | Not determined. |
| 11. 2. 3. Eyes contact: | Not determined. |
| 11. 2. 4. Ingestion: | Not determined. |
| 11. 3. Chronic toxicity: | Repeated contact can lead to a durable disease of breathing system. Anyone who has shown symptoms of asthma due to this substance should avoid all further contact with this substance. |

12. ECOLOGICAL INFORMATION

- | | |
|--|--|
| 12. 1. Toxicity: | No ecotoxicological data about this product are known. |
| 12. 2. Persistence and degradability: | Not determined. |
| 12. 3. Bioaccumulative potential: | Not determined. |
| 12. 4. Mobility in soil: | Not determined. |
| 12. 5. Results of PBT and vPvB assessment: | Not determined. |
| 12. 6. Other adverse effects: | Not determined. |
| 12. 7. General information(s): | There is no data available on the product itself. |

13. DISPOSAL CONSIDERATIONS

- | | |
|---------------------------------|--|
| 13. 1. Waste treatment methods: | Collect all waste in suitable and labelled containers and dispose according to local legislation. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| 13. 2. Contaminated packaging: | Container remains hazardous when empty. Continue to observe all precautions. |

14. TRANSPORT INFORMATION

- | | |
|--|------------------------------------|
| 14. 1. General information(s): | Transport followed ADR, IMDG, IATA |
| 14. 2. UN number: | 1263 |
| 14. 2. 1. UN proper shipping name: | PAINT |
| 14. 3. Land (Road / Railway: ADR/RID): | |
| 14. 3. 1. Transport hazard class(es): | 3 |
| 14. 3. 2. Packing group: | III |
| 14. 4. Sea (IMDG): | |
| 14. 4. 1. Class: | 3 |
| 14. 4. 2. Packaging group: | III |

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14. 4. 3. Marine pollutant:	NON - NO
14. 5. Air (ICAO/IATA):	
14. 5. 1. ICAO/IATA class:	3
14. 5. 2. Packing group:	III
14. 6. Environmental hazards:	/
14. 7. Special precautions for user:	/
14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture:	EC 453-2010 regulation EC 790-2009 regulation EC 1272-2008 regulation EC 1907-2006 regulation WKG : 2
15. 2. Chemical safety assessment:	/

16. OTHER INFORMATION

16. 1. Text of the phrases listed in section 3:	R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R38 Irritating to skin. R14 Reacts violently with water. R36/37/38 Irritating to eyes, respiratory system and skin. R42 May cause sensitization by inhalation. R11 Highly flammable. R36 Irritating to eyes. R66 Repeated exposure may cause skin dryness or cracking R67 Vapours may cause drowsiness and dizziness R20 Harmful by inhalation. R40 Limited evidence of a carcinogenic effect. R42/43 May cause sensitization by inhalation and skin contact. R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. R37/38 Irritating to respiratory system and skin. R41 Risk of serious damage to eyes. R22 Harmful if swallowed. R43 May cause sensitization by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R61 May cause harm to the unborn child. H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H332 Harmful if inhaled. H315 Causes skin irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H319 Causes serious eye irritation. H225 Highly flammable liquid and vapour. H336 May cause drowsiness or dizziness. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>. H318 Causes serious eye damage. H302 Harmful if swallowed. H410 Very toxic to aquatic life with long lasting effects. H360 May damage fertility or the unborn child <state specific effect if known > <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
16. 2. Important remarks:	As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

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16. 3. History:

16. 3. 1. First edition date: 16/01/2015

16. 3. 2. Version: 1302a

16. 4. Written by: SOPREMA - mkulinicz@soprema.fr