

SAFETY DATA SHEET

SOPRAVAP 3-1 COMPOSANT B

Version: 116h

Review date: 19/10/2015

RE EC/830/2015 - ISO 11014-1

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

1. 1. Product identifier: SOPRAVAP 3-1 COMPOSANT B
1. 1. 1. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: Waterproofing
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
.
1. 5. Product code nr: 2505.1

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture:
- * Flam. Liq. 3 / SGH02 - H226 *
 - * Skin Irrit. 2 / SGH07 - H315 *
 - * Irr. oc. 2A / SGH07 - H319 *
 - * Resp. Sens. 1 / SGH08 - H334 *
 - * Skin Sens. 1 / SGH07 - H317 *
 - * Carc. 2 / SGH08 - H351 *
 - * STOT SE 3 / SGH07 - H335 *
 - * Aquatic. Chronic 3 / H412 *

2. 2. Label elements:



Danger

2. 2. 1. Symbol(s) and signal word: .

2. 2. 2. Hazard statement:
- H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H412 Harmful to aquatic life with long lasting effects.
H335 May cause respiratory irritation.

2. 2. 3. Prevention:
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / lighting / ... / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P284 In case of inadequate ventilation wear respiratory protection.
P272 Contaminated work clothing should not be allowed out of the workplace.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P271 Use only outdoors or in a well-ventilated area.

2. 2. 4. Response:
- P303 IF ON SKIN (or hair):
P361 Take off immediately all contaminated clothing.
P353 Rinse skin with water / shower.
P370 In case of fire:
P378 Use powder, AFFF, foam, carbon dioxide to extinguish.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321a Specific treatment (see item nr 4.3.).

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	<p>P332+P313 If skin irritation occurs: Get medical advice / attention. P362 Take off contaminated clothing. P364 And wash it before reuse. P305 IF IN EYES: P351 Rinse cautiously with water for several minutes. P338 Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice / attention. P304 IF INHALED: P340 Remove person to fresh air and keep comfortable for breathing. P342 If experiencing respiratory symptoms: P311a Call a POISON CENTER / doctor. P333+P313 If skin irritation or rash occurs: Get medical advice / attention. P308+P313 IF exposed or concerned: Get medical advice / attention. P312a Call a POISON CENTER / doctor if you feel unwell.</p>
2. 2. 5. Storage:	<p>P403 Store in a well-ventilated place. P235 Keep cool. P405 Store locked up. P233 Keep container tightly closed.</p>
2. 2. 6. Disposal:	<p>P501a Dispose of contents / container in accordance with local / regional / national / international regulation</p>
2. 3. Further information(s):	<p>EUH208 Contains isocyanates. May produce an allergic reaction. EUH208 Contains • isocyanic acid, • 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 diisocyanate [4]. May produce an allergic reaction.</p>
2. 4. Other hazards:	<p>None.</p>

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:	<ul style="list-style-type: none">• Alcanes en C9-C12<ul style="list-style-type: none">- CAS nr: 90622-57-4- Conc. (weight %) : 15 < C ≤ 20- SGH :* SGH02 - Flame - Warning - Flam. Liq. 3 - H226* SGH08 - Health hazard - Danger - Asp. Tox. 1 - H304* SGH09 - Environment - Aquatic. Chronic 2 - H411• isocyanic acid<ul style="list-style-type: none">- CAS nr: 9016-87-9- Conc. (weight %) : 5 < C ≤ 10- SGH :* SGH07 - Exclamation mark - Warning - Acute Tox. 4 - H332 * SGH08 - Health hazard - Danger - Resp. Sens. 1 - H334 - Skin Sens. 1 - H317 - STOT SE 3 - H335 - STOT RE 2 - H373 - Skin Irrit. 2 - H315 - Irr. oc. 2 - H319 - Irr. oc. 2A - Carc. 2 - H351• 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 diisocyanate [4]<ul style="list-style-type: none">- Id nr: 615-005-00-9 - CE nr: 202-966-0 - CAS nr: 101-68-8- Conc. (weight %) : 1 < C ≤ 5- SGH :* SGH07 - Exclamation mark - Warning - Acute Tox. 4 - H332 * SGH08 - Health hazard - Danger - Resp. Sens. 1 - H334 - Skin Sens. 1 - H317 - STOT SE 3 - H335 - Skin Irrit. 2 - H315 - Irr. oc. 2 - H319 - Carc. 2 - H351- (Eye Irrit.: H319: C ≥ 5% - STOT SE 3: H335: C ≥ 5% - Skin Irrit. 2: H315: C ≥ 5% - Resp. Sens: H334: C ≥ 0,1%)- Miscellaneous :VME ppm = 0,005 - VME mg/m³ = 0,051
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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:	<p>Never give anything by mouth to an unconscious person.</p>
4. 1. 2. Inhalation:	<p>Take victim to fresh air, in a quiet place and if necessary take medical advice. Give oxygen or artificial respiration if necessary.</p>

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| 4. 1. 3. Skin contact: | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. |
| 4. 1. 4. Eye contact: | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 4. 1. 5. Ingestion: | Do NOT induce vomiting.
Rinse mouth, drink a lot of water, keep quiet, and go immediately to hospital or to a doctor. |
| 4. 2. Most important symptoms and effects, both acute and delayed: | |
| 4. 2. 1. Inhalation: | Exposure to organic solvent vapours may result in adverse health effects such as irritation of mucous membranes, lung irritation, tingling of central nervous system.
Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, breathing arrest. |
| 4. 2. 2. Skin contact: | May cause skin irritation / dermatitis.
Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis. |
| 4. 2. 3. Eyes contact: | Liquid splashes in the eye may cause irritation. |
| 4. 2. 4. Ingestion: | High concentrations may cause injuries to gastrointestinal tract, liver, kidneys and central nervous system. |
| 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

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| 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 water jet. |

6. ACCIDENTAL RELEASE MEASURES

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| 6. 1. Personal precautions, protective equipment and emergency procedures: | Ensure adequate ventilation.
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: | Do not allow to enter drains or water courses.
Concerning disposal elimination after cleaning, see item 13. |
| 6. 3. Methods and material for containment and cleaning up: | Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth
Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).
Clean preferably with a detergent - Avoid the use of solvents. |
| 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

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| 7. 1. Handling: | |
| 7. 1. 1. Precautions for safe handling: | Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.
Do not eat, drink and do not smoke in areas where product is used. |
| 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.
Prevent build-up of electrostatic charges (e.g., by grounding). |
| 7. 1. 3. Safe handling advice(s): | Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non- |

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sparkling tools should be used.

7. 2. Storage:

7. 2. 1. Conditions for safe storage, including any incompatibilities:

Keep container tightly closed and in a well-ventilated place.
Store in a place accessible by authorised persons only.
Keep out of the reach of children.

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.

7. 2. 4. Packaging / tank material:

made of the same material as the supply container.

7. 3. Specific end use(s):

Waterproofing

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8. 1. Control parameters:

8. 1. 1. Exposure limit(s):

• 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 diisocyanate [4] : VME ppm = 0,005 - VME mg/m³ = 0,051

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:

In case of insufficient ventilation wear suitable respiratory equipment. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust.

8. 2. 2. Hand protection:

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. nitrile rubber gloves
Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

8. 2. 3. Skin and body protection:

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

8. 2. 4. Eye protection:

Eye protection designed to protect against liquid splashes should be worn.

8. 2. 5. Recommended monitoring procedures:

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. 3. Hygiene measure(s):

Keep away from food, drink and animal feed.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

9. 1. 1. Appearance:

liquid

9. 1. 2. Colour:

black

9. 1. 3. Odour:

hydrocarbon-like

9. 1. 4. PH:

Not determined.

9. 1. 5. Flash point:

32 °C

9. 1. 6. Explosion limits:

Not determined.

9. 1. 7. Vapour pressure:

1 kPa (50 °C)

9. 1. 8. Relative density (water = 1):

1

9. 1. 9. Viscosity:

2500 - 3 000 mPa.s (20 °C)

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9. 2. Other information:

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| 9. 2. 1. Water solubility: | insoluble |
| 9. 2. 2. Fat solubility: | Not applicable. |
| 9. 2. 3. Solvent solubility: | soluble in some specific organic solvents |
| 9. 3. Other information: | VOC : 140 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: | NO open flames, NO sparks, and NO smoking. |
| 10. 5. Incompatible materials: | Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction. |
| 10. 6. Hazardous decomposition products: | Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide |

11. TOXICOLOGICAL INFORMATION

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| 11. 1. Information on toxicological effects: | There is no data available on the product itself. |
| 11. 2. Acute toxicity: | |
| 11. 2. 1. Inhalation: | Not applicable. |
| 11. 2. 2. Skin contact: | Not applicable. |
| 11. 2. 3. Eyes contact: | Not applicable. |
| 11. 2. 4. Ingestion: | Not applicable. |

12. ECOLOGICAL INFORMATION

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| 12. 1. Toxicity: | No ecotoxicological data about this product are known. |
| 12. 2. Persistence and degradability: | Not readily biodegradable. |
| 12. 3. Bioaccumulative potential: | Not determined. |
| 12. 4. Mobility in soil: | Not determined. |
| 12. 5. Results of PBT and vPvB assessment: | Not applicable. |
| 12. 6. Other adverse effects: | Not determined. |
| 12. 7. General information(s): | There is no data available on the product itself.
The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. |

13. DISPOSAL CONSIDERATIONS

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|---------------------------------|--|
| 13. 1. Waste treatment methods: | Collect all waste in suitable and labelled containers and dispose according to local legislation. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. |
| 13. 2. Contaminated packaging: | Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
Dirty containers cannot be handle as normal waste. |

14. TRANSPORT INFORMATION

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| 14. 1. General information(s): | Transport followed ADR, IMDG, IATA |
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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. 3. 3. Tunnel restriction code: (D/E)
14. 4. Sea (IMDG):
14. 4. 1. Class: 3
14. 4. 2. Packaging group: III
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: non
14. 7. Special precautions for user: refer to headings 8 and 13
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 1907-2006 regulation
EC 1272-2008 regulation
EC 790-2009 regulation
EC 453-2010 regulation
15. 2. Chemical safety assessment: Not determined.

16. OTHER INFORMATION

16. 1. Text of the phrases listed in section 3:
- H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
16. 2. Important remarks: Information in this safety data sheet is based on actual knowledge in our possession and our experience.
It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.
No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.
16. 3. Restrictions: This information relates to the specific material designated and may not be valid in combination with other product(s).
16. 4. History:
16. 4. 1. First edition date: 31/05/2010
16. 4. 2. Previous revision date: 31/05/2012
16. 4. 3. Review date: 19/10/2015
16. 4. 4. Version: 116h

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16. 4. 5. Review chapter(s) n°:	1 > 16
16. 5. Written by:	SOPREMA - mkulinicz@soprema.fr