

SAFETY DATA SHEET

ALSAN 076

Version: 1212c

Review date: 31/03/2017

RE EC/830/2015 - ISO 11014-1

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

1. 1. Product identifier: ALSAN 076
1. 1. 1. Contains: • ethyl acetate
1. 1. 2. EC number: 205-500-4
1. 2. Relevant identified uses of the substance or mixture and uses advised against: Cleaner.
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: 4673.1

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: * Flam. Liq. 2 / GHS02 - H225 *
* Irr. oc. 2A / GHS07 - H319 *
* STOT SE 3 / GHS07 - H336 *

2. 2. Label elements:



Danger

2. 2. 1. Symbol(s) and signal word: .
2. 2. 2. Hazard statement: H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
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 and bond container and receiving equipment.
P241 Use explosion-proof [electrical / ventilating / lighting / ...] equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
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.
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, water spray, foam, carbon dioxide to extinguish.
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.
P312a Call a POISON CENTER / doctor if you feel unwell.
2. 2. 5. Storage: P403 Store in a well-ventilated place.
P235 Keep cool.
P233 Keep container tightly closed.
P405 Store locked up.
2. 2. 6. Disposal: P501a Dispose of contents / container in accordance with local / regional / national / international regulation

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2. 3. Further information(s):

2. 4. Other hazards: None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:

• ethyl acetate
- Id nr: 607-022-00-5 - CE nr: 205-500-4 - CAS nr: 141-78-6
- Conc. (weight %) : $0 < C \leq 100$
- GHS (Globally Harmonized System)
* GHS02 - Flame - Danger - Flam. Liq. 2 - H225
* GHS07 - Exclamation mark - Warning - STOT SE 3 - H336 - Irr. oc. 2 - H319
- Miscellaneous :
VME ppm = 400 - VME mg/m³ = 1440

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: Take victim to fresh air, in a quiet place in an half laying position and urgently take medical advice.
Give oxygen or artificial respiration if necessary.
4. 1. 3. Skin contact: Wash off immediately with soap and plenty of water removing at the same time all contaminated clothes. If skin irritation persists, take medical advice.
4. 1. 4. Eye contact: Rinse immediately with plenty of water, also under eyelids, taking contact lenses off. Get immediate medical advice / attention.
4. 1. 5. Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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.
4. 2. 2. Skin contact: Prolonged or repeated contact with the skin or mucous membrane may result in irritant symptoms such as redness, blistering or dermatitis. Onset of symptoms may be delayed.
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: sand, powder, carbon dioxide
5. 2. Special hazards arising from the substance or mixture: Vapours are heavier than air and spread above ground. Gas/air mixtures are explosive. Flash back possible over important distance.
5. 3. Advice for firefighters: Use a self-contained breathing apparatus and also a protective suit.
5. 4. Specific method(s): Cool containers / tanks with spray water if possible.
5. 5. Extinguishing media which must NOT be used for safety reasons: Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

6. 1. Personal precautions, protective equipment and emergency procedures: Concerning personal protective equipment to use, see item 8. Remove all sources of ignition. Avoid contact with skin, eyes, or clothing.
6. 2. Environmental precautions: Do not allow to enter drains or water courses. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

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| 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. 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 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: | Keep container tightly closed and in a well-ventilated place. Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist. |
| 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. 2. Storage: | |
| 7. 2. 1. Conditions for safe storage, including any incompatibilities: | Store always product in container of same material as original container. |
| 7. 2. 2. Storage condition(s): | Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Prevent build-up of electrostatic charges (e.g., by grounding). Use only explosion-free electrical equipment with earth. Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. |
| 7. 2. 3. Packaging / tank material: | made of the same material as the supply container. |
| 7. 3. Specific end use(s): | Cleaner. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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|------------------------------------|--|
| 8. 1. Control parameters: | |
| 8. 1. 1. Exposure limit(s): | • ethyl acetate : VME ppm = 400 - VME mg/m ³ = 1440 |
| 8. 2. Exposure controls: | |
| 8. 2. 1. Respiratory protection: | Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust. |
| 8. 2. 2. Hand protection: | butyl rubber gloves |
| 8. 2. 3. Skin and body protection: | The personnel should wear protective clothing. (solvent-resistant apron) |
| 8. 2. 4. Eye protection: | safety glasses with side-shields |
| 8. 3. Hygiene measure(s): | Keep away from food, drink and animal feed. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|--|---------------------------|
| 9. 1. Information on basic physical and chemical properties: | |
| 9. 1. 1. Appearance: | liquid |
| 9. 1. 2. Colour: | colourless |
| 9. 1. 3. Odour: | slight |
| 9. 1. 4. PH: | Not determined. |
| 9. 1. 5. Boiling point/range: | 77 °C |
| 9. 1. 6. Melting point/range: | -84 °C |
| 9. 1. 7. Flash point: | -4 °C |
| 9. 1. 8. Auto-ignition temperature: | 460 °C |
| 9. 1. 9. Explosion limits: | LIE : 2.1 % - LSE : 11.5% |
| 9. 1. 10. Flammability (solid, gas): | Not applicable. |
| 9. 1. 11. Vapour pressure: | 100 hPa |
| 9. 1. 12. Relative density (water = 1): | 0.9 |
| 9. 1. 13. Viscosity: | 0.44 mPa.s |

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9. 2. Other information:

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| 9. 2. 1. Water solubility: | 61 g/l (at 20°C) |
| 9. 2. 2. Fat solubility: | Not determined. |
| 9. 2. 3. Solvent solubility: | Not determined. |
| 9. 2. 4. Partition coefficient n-octanol/water: | log Kow 0.60 |
| 9. 3. Other information: | COV : 900 g/L |

10. STABILITY AND REACTIVITY

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| 10. 1. Reactivity: | Stable in use and storage conditions as recommended in item 7. |
| 10. 2. Chemical stability: | Stable at normal conditions. |
| 10. 3. Possibility of hazardous reactions: | strong oxidants |
| 10. 4. Conditions to avoid: | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| 10. 5. Incompatible materials: | Keep away from oxidising agents and strongly alkaline and strongly acidic materials. |
| 10. 6. Hazardous decomposition products: | When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, NxOy |

11. TOXICOLOGICAL INFORMATION

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|--|--------------------------------------|
| 11. 1. Information on toxicological effects: | No available information on product. |
| 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. |

12. ECOLOGICAL INFORMATION

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| 12. 1. Toxicity: | LC50/48h/daphnia = > 500 mg/L |
| 12. 2. Persistence and degradability: | Readily biodegradable. |
| 12. 3. Bioaccumulative potential: | None bioaccumulation. |
| 12. 4. Mobility in soil: | No data available. |
| 12. 5. Results of PBT and vPvB assessment: | Not applicable. |
| 12. 6. Other adverse effects: | None. |

13. DISPOSAL CONSIDERATIONS

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| 13. 1. Waste treatment methods: | Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| 13. 2. Contaminated packaging: | Empty containers can be dumped after cleaning according to local legislation. Do not burn, or use a cutting torch on the empty drum. |

14. TRANSPORT INFORMATION

- | | |
|------------------------------------|------------------------------------|
| 14. 1. General information(s): | Transport followed ADR, IMDG, IATA |
| 14. 2. UN number: | 1173 |
| 14. 2. 1. UN proper shipping name: | ETHYL ACETATE |

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14. 3. Land (Road / Railway: ADR/RID):

- 14. 3. 1. Transport hazard class(es): 3
- 14. 3. 2. Packing group: II
- 14. 3. 3. ADR/RID-Labels: 3; F1; 33 (D/E)

14. 4. Sea (IMDG):

- 14. 4. 1. Class: 3
- 14. 4. 2. Packaging group: II
- 14. 4. 3. Marine pollutant: Non - No
- 14. 4. 4. IMDG-Label(s): 3; F-E, S-D

14. 5. Air (ICAO/IATA):

- 14. 5. 1. ICAO/IATA class: 3
- 14. 5. 2. Packing group: II
- 14. 5. 3. ICAO/IATA-Labels: 3; F-E, S-D

14. 6. Environmental hazards: Non - No

14. 7. Special precautions for user: Not applicable.

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:
 - H225 Highly flammable liquid and vapour.
 - H336 May cause drowsiness or dizziness.
 - H319 Causes serious eye irritation.

16. 2. History:

- 16. 2. 1. First edition date: 16/10/2013
- 16. 2. 2. Previous revision date: 23/02/2015
- 16. 2. 3. Review date: 31/03/2017
- 16. 2. 4. Version: 1212c
- 16. 2. 5. Review chapter(s) n°: 1-2-16

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