

SAFETY DATA SHEET

SOPRADVANCE CONCRETE COMPOUND

Version: 1246a



Review date: 30/03/2017

RE EC/830/2015 - ISO 11014-1

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

1. 1. Product identifier: SOPRADVANCE CONCRETE COMPOUND
1. 1. 1. Contains:
- methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate
 - Diméthacrylate de triéthylèneglycol
 - méthacrylate de benzyle
1. 1. 2. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: Seal coat (primer)
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: 6494.1

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture:
- * Flam. Liq. 2 / GHS02 - H225 *
 - * Skin Irrit. 2 / GHS07 - H315 *
 - * Skin Sens. 1 / GHS07 - H317 *
 - * STOT SE 3 / GHS07 - H335 *
2. 2. Label elements:
- 

Danger
2. 2. 1. Symbol(s) and signal word: .
2. 2. 2. Hazard statement:
- H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
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 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.
P272 Contaminated work clothing should not be allowed out of the workplace.
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.).
P332+P313 If skin irritation occurs: Get medical advice / attention.
P362 Take off contaminated clothing.
P364 And wash it before reuse.
P333+P313 If skin irritation or rash occurs: 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.

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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
2. 3. Further information(s): EUH208 Contains • methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate. May produce an allergic reaction.
2. 4. Other hazards: None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:
- methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate
- Id nr: 607-035-00-6 - CE nr: 201-297-1 - CAS nr: 80-62-6
- Conc. (weight %) : 40 < C ≤ 100
- GHS (Globally Harmonized System)
* GHS02 - Flame - Danger - Flam. Liq. 2 - H225
* GHS07 - Exclamation mark - Warning - Skin Sens. 1 - H317 - STOT SE 3 - H335 - Skin Irrit. 2 - H315
- Miscellaneous :
VME ppm = 50
 - Diméthacrylate de triéthylèneglycol
- CE nr: 203-652-6 - CAS nr: 109-16-0
- REACH registration number : 01-2119969287-21
- Conc. (weight %) : 1 < C ≤ 5
- GHS (Globally Harmonized System)
* GHS07 - Exclamation mark - Warning - Skin Sens. 1B - H317
 - 1,1'-(p-tolylimino)dipropane-2-ol
- CE nr: 254-075-1 - CAS nr: 38668-48-3
- REACH registration number : 01-2119980937-17
- Conc. (weight %) : 0,1 < C ≤ 1
- GHS (Globally Harmonized System)
* GHS06 - Skull and crossbones - Danger - Acute Tox. 2 - H300 * GHS07 - Exclamation mark - Warning - Irr. oc. 2 - H319 - Irr. oc. 2A
- Aquatic. Chronic 3 - H412
 - méthacrylate de benzyle
- CE nr: 219-674-4 - CAS nr: 2495-37-6
- REACH registration number : 01-2119960155-39
- Conc. (weight %) : 0,1 < C ≤ 1
- GHS (Globally Harmonized System)
* GHS07 - Exclamation mark - Warning - Skin Sens. 1 - H317 - STOT SE 3 - H335 - Skin Irrit. 2 - H315 - Irr. oc. 2 - H319
 - N,N-dimethyl-p-toluidine [1]; N,N-dimethyl-m-toluidine [2]; N,N-dimethyl-o-toluidine [3]
- Id nr: 612-056-00-9 - CE nr: 202-805-4 - CAS nr: 99-97-8
- Conc. (weight %) : 0,1 < C ≤ 1
- GHS (Globally Harmonized System)
* GHS06 - Skull and crossbones - Danger - Acute Tox. 3 - H301 - H311 - H331 * GHS08 - Health hazard - Warning - STOT RE 2 - H373
- Aquatic. Chronic 3 - H412
- (*)

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: In case of doubt or persistent symptoms, consult always a physician.
4. 1. 2. Inhalation: Take victim to fresh air, in a quiet place in an half laying position and urgently take medical advice.
4. 1. 3. Skin contact: Remove contaminated clothes. Wash skin with plenty of water and soap.
4. 1. 4. Eye contact: Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

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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: Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, breathing arrest.
4. 2. 2. Skin contact: Irritating to skin.
Intensive skin contact, may cause skin problems (contact dermatitis).
4. 2. 3. Eyes contact: Irritating to eyes.
4. 2. 4. Ingestion: May cause nausea, vomiting, sore throat, stomach-ache and eventually a perforation of the intestine.
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: Finely dispersed particles form explosive mixtures in air.
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 containers / tanks with spray water if possible.
Provision to contain effluent from fire extinguishing.
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. 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.
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 Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Dispose as hazardous waste.
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: Avoid formation of vapours.
Wear personal protective equipment (see item 8).
Remove all sources of ignition.
7. 1. 2. Technical condition(s): Open drum carefully because content may be under pressure.
7. 2. Storage:
7. 2. 1. Conditions for safe storage, including any incompatibilities: Keep away from open flames, hot surfaces and sources of ignition.
7. 2. 2. Technical condition(s): Not flammable and waterproof underground retention basin.
7. 2. 3. Storage condition(s): Store in original container.
7. 2. 4. Separation of incompatible product(s): Keep away from combustible materials, reducing agents (e.g. amines), acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps).
Keep away from food, drink and animal feedingstuffs.
7. 2. 5. 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): • methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate : VME ppm = 50

8. 1. 2. Engineering measure(s): Ensure adequate ventilation, especially in confined areas. 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: Ensure adequate ventilation.
In case of inadequate ventilation wear respiratory protection.

8. 2. 2. Hand protection: solvent-resistant gloves

8. 2. 3. Skin and body protection: long sleeved protective clothing

8. 2. 4. Eye protection: Wear security glasses which protect from splashes.

8. 3. Hygiene measure(s): Wash hands immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

9. 1. 1. Appearance: liquid
9. 1. 2. Colour: colourless
9. 1. 3. Odour: ester-like
9. 1. 4. PH: Not determined.
9. 1. 5. Boiling point/range: ca 100 °C
9. 1. 6. Flash point: 10°C (DIN 51755)
9. 1. 7. Explosion limits: LIE : 2.1 vol %
LSE : 12,5 vol %
9. 1. 8. Vapour pressure: 40 hPa (20°C)
9. 1. 9. Relative density (water = 1): > 1
9. 1. 10. Viscosity: 350 mPa.s (23°C)

9. 2. Other information:

9. 2. 1. Water solubility: practically not soluble
9. 2. 2. Fat solubility: Not determined.
9. 2. 3. Solvent solubility: Not determined.

9. 3. Other information: VOC : 34.83 %

10. STABILITY AND REACTIVITY

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: Exothermic reaction

10. 4. Conditions to avoid: No naked flames, sparks, and do not smoke.

10. 5. Incompatible materials: Keep away from oxidising agents and strongly alkaline and strongly acidic materials.
React with peroxides

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10. 6. Hazardous decomposition products: None.

11. TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects: Description of possible hazardous effects of mixture on health is based on toxicological characteristics of different components.

CAS : 80-62-6 : methyl methacrylate

CAS : 38668-48-3 : 1,1'-(p-tolylimino)dipropene-2-ol

CAS : 99-97-8 : N,N-diméthyl-p-toluidine

11. 2. Acute toxicity:

11. 2. 1. Inhalation: CAS 80-62-6 : methyl methacrylate
LC50/inhalation/4h/rat = 29,8 mg/l

11. 2. 2. Skin contact: CAS : 80-62-6 : methyl methacrylate
LD50/dermal/rabbit = 5 000 mg/kg

11. 2. 3. Eyes contact: Irritating to eyes.

11. 2. 4. Ingestion: CAS : 80-62-6 : methyl methacrylate
LD50/oral/rat = 5 000 mg/kg

CAS : 38668-48-3 : 1,1'-(p-tolylimino)dipropene-2-ol
LD50/oral/rat = 25-200 mg/kg

CAS : 99-97-8 : N,N-diméthyl-p-toluidine
LD50/oral/rat = 996.4 mg/kg

11. 3. Sensitisation: May cause sensitisation by skin contact.

12. ECOLOGICAL INFORMATION

12. 1. Toxicity: CAS : 80-62-6 : methyl methacrylate
LC50/48h/daphnia = 69 mg/l

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: no

12. 6. Other adverse effects: Not determined.

12. 6. 1. Toxicity to fish: WGK 1

12. 7. General information(s): May cause respiratory irritation. May cause drowsiness or dizziness.
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

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: 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. 3. 3. Classification code: 640 D

14. 3. 4. Tunnel restriction code: (D/E)

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14. 4. Sea (IMDG):

- | | |
|-----------------------------|-----|
| 14. 4. 1. Class: | 3 |
| 14. 4. 2. Packaging group: | III |
| 14. 4. 3. Marine pollutant: | no |

14. 5. Air (ICAO/IATA):

- | | |
|----------------------------|-----|
| 14. 5. 1. ICAO/IATA class: | 3 |
| 14. 5. 2. Packing group: | III |

14. 6. Environmental hazards: no

14. 7. Special precautions for user: None

14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not determined.

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.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H300 Fatal if swallowed.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
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>.

16. 2. History:

16. 2. 1. First edition date: 30/03/2017

16. 2. 2. Version: 1246a

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