

SAFETY DATA SHEET

FLAG - FLEXOCOL V

Version:97b

Review date:05/03/2012

RE EC/453/2010 - ISO 11014-1

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

Product identifier: FLAG - FLEXOCOL V

Relevant identified uses of the substance or mixture and uses advised against: ADHESIVES

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
Courriel: mkulinicz@soprema.fr

Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131
EMERGENCY NUMBER : +44 (0) 870 190 6777

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: /

EC number: Not applicable.

Contains: • toluene

Label elements (R - S):



- Symbol(s): F - Highly flammable ; Xn - Harmful

- R-phrases(s): 11 Highly flammable.
36 Irritating to eyes.
63 Possible risk of harm to the unborn child.
66 Repeated exposure may cause skin dryness or cracking
67 Vapours may cause drowsiness and dizziness

- S-phrases(s): 2 Keep out of the reach of children.
46 If swallowed, seek medical advice immediately and show this container or label.

Other hazards: None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s) contributing to the hazard:

- butanone; ethyl methyl ketone - Id nr: 606-002-00-3 - CE nr: 201-159-0 - CAS nr: 78-93-3
Conc. (weight %): 35 < C ≤ 45
- R-S : Classification: • F; R11 Xi; R36 R66 R67 •
- SGH : SGH02 - Flam. Liq. 2 - Flame - Danger - H225 SGH07 - STOT SE3 - Exclamation mark - Warning - H336 - Irr. oc. 2A - H319 - Irr. oc. 2B
- toluene - Id nr: 601-021-00-3 - CE nr: 203-625-9 - CAS nr: 108-88-3
Conc. (weight %): 5 < C ≤ 15
- R-S : Classification: • F; R11 • Repr.Cat.3; R63 • Xn; R48/20-65 • Xi; R38 • R67 •
- SGH : SGH02 - Flam. Liq. 2 - Flame - Danger - H225 SGH07 - STOT SE3 - Exclamation mark - Warning - H336 - SGH08 - STOT RE2 - Health hazard - H373 - Asp. Tox. 1 - Danger - H304 - Skin Irrit. 2 - H315
- ethyl acetate - Id nr: 607-022-00-5 - CE nr: 205-500-4 - CAS nr: 141-78-6
Conc. (weight %): 20 < C ≤ 25
- R-S : Classification: • F; R11 • Xi; R36 • R66 • R67 •
- SGH : SGH02 - Flam. Liq. 2 - Flame - Danger - H225 SGH07 - STOT SE3 - Exclamation mark - Warning - H336 - Irr. oc. 2A - H319 - Irr. oc. 2B

4. FIRST AID MEASURES

SAFETY DATA SHEET

FLAG - FLEXOCOL V

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RE EC/453/2010 - ISO 11014-1

Description of first aid measures:

- General advice: Never give anything by mouth to an unconscious person.
- Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice / attention.
- Skin contact: Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 30 minutes) and if necessary take medical advice.
- 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.
- Ingestion: Do NOT induce vomiting. IN ALL CASES CONSULT A DOCTOR!

Most important symptoms and effects, both acute and delayed:

- Inhalation: May cause drowsiness or dizziness.
- Skin contact: Irritating to skin. May cause sensitisation.
- Eyes contact: Irritating to eyes.
- Ingestion: May cause headache and dizziness

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

- Extinguishing media: powder, water spray, foam, carbon dioxide, sand
- Extinguishing media which must NOT be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire.
- Special hazards arising from the substance or mixture: Evacuate area. Vapours are heavier than air and spread above ground.
- Advice for firefighters: Use a self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures: Wear full protective clothing and breathing apparatus when dealing with all spillage (see item 8).
- Environmental precautions: Do not allow to enter drains or water courses.
- Methods and material for containment and cleaning up: Clean thoroughly.
- Reference to other sections: /

7. HANDLING AND STORAGE

- Handling:
- Precautions for safe handling: Avoid all eyes and skin contact and do not breathe vapour and mist. Smoking, eating and drinking is prohibited in areas of storage and use.
 - Technical condition(s): The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
- Storage:
- Conditions for safe storage, including any incompatibilities: Store always product in container of same material as original container. Keep away from heat / sparks / open flames / hot surfaces. — No smoking.
 - Storage condition(s): Keep container tightly closed. Store in a dry, cool and well-ventilated place.
 - Packaging / tank material: made of the same material as the supply container.
 - Specific end use(s): /

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAFETY DATA SHEET

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Control parameters:

- Exposure limit(s):
 - butanone; ethyl methyl ketone : VME ppm = 200 - VME mg/m³ = 600 - VLE ppm = 300 - VLE mg/m³ = 900
 - toluene : VME ppm = 50 - VME mg/m³ = 188
 - ethyl acetate : VME ppm = 400 - VME mg/m³ = 1440

Exposure controls:

- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection: nitrile rubber gloves
- Skin and body protection: Wear suitable protective clothing
- Eye protection: Wear security glasses which protect from splashes.

Hygiene measure(s): Keep away from food, drink and animal feed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

- Appearance: liquid
- Colour: white
- Odour: characteristic
- PH: 7
- Boiling point/range: 75 °C (at 1013 bars).
- Flash point: -4 °C
- Explosion limits: LIE : 1.9 % - LSE : 10.2 %
- Vapour pressure: 10.33 kPa
- Vapour density: > 2.4
- Relative density (water = 1): 0.9 (+/- 0.05)
- Viscosity: 1600 mPa.s

Other information:

- Water solubility: No - Non
- Fat solubility: Not determined.
- Solvent solubility: Not determined.

Other data:

10. STABILITY AND REACTIVITY

- Reactivity: Stable at normal conditions.
- Chemical stability: Stable at normal conditions.
- Possibility of hazardous reactions: /
- Conditions to avoid: Keep away from heat / sparks / open flames / hot surfaces. — No smoking.
- Incompatible materials: Keep away from oxidising agents and strongly alkaline and strongly acidic materials.
- Hazardous decomposition products: a strong acid

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: /

Acute toxicity:

- Inhalation: May cause drowsiness or dizziness.

SAFETY DATA SHEET

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- | | |
|-----------------|--|
| - Skin contact: | Irritating to skin. May cause sensibilisation. |
| - Eyes contact: | Irritating to eyes. |
| - Ingestion: | May cause headache and dizziness |
| Sensitisation: | May cause sensitisation by skin contact. |

12. ECOLOGICAL INFORMATION

- | | |
|-------------------------------------|---|
| Toxicity: | This substance may be hazardous to the environment. |
| Persistence and degradability: | Not determined. |
| Bioaccumulative potential: | Not determined. |
| Mobility in soil: | Not determined. |
| Other adverse effects: | Not determined. |
| Results of PBT and vPvB assessment: | Not determined. |

13. DISPOSAL CONSIDERATIONS

- | | |
|--------------------------|--|
| Waste treatment methods: | This material and its container must be disposed of as hazardous waste. |
| Contaminated packaging: | Container remains hazardous when empty. Continue to observe all precautions. |

14. TRANSPORT INFORMATION

- | | |
|--|-----------|
| UN number: | 1133 |
| Land (Road / Railway: ADR/RID): | |
| - UN proper shipping name: | ADHESIVES |
| - Transport hazard class(es): | 3 |
| - Packing group: | II |
| Sea (IMDG): | |
| - UN proper shipping name: | ADHESIVES |
| - Class: | 3 |
| - Packaging group: | II |
| - Marine pollutant: | No - Non |
| Air (ICAO/IATA): | |
| - UN proper shipping name: | ADHESIVES |
| - ICAO/IATA class: | 3 |
| - Packing group: | II |
| Environmental hazards: | / |
| Special precautions for user: | / |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | / |

15. REGULATORY INFORMATION

- | | |
|---|--|
| Safety, health and environmental regulations/legislation specific for the substance or mixture: | Règlement CE 453 - 2010
Règlement CE 790 - 2009
Règlement CE 1272 - 2008
Règlement CE 1907 - 2006 |
| Chemical safety assessment: | / |

16. OTHER INFORMATION

- | | |
|--|--|
| Text of R phrases listed in section 3: | R11 Highly flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking |
|--|--|

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R67 Vapours may cause drowsiness and dizziness
R38 Irritating to skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.

Important remarks:

No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product. It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. Information in this safety data sheet is based on actual knowledge in our possession and our experience.

History:

- First edition date:	15/12/2011
- Previous revision date:	05/03/2012
- Review date:	05/03/2012
- Version:	97b
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