

SAFETY DATA SHEET

Parathane Flash Component A

Version: 2

Review date: 10/01/2007

91/155/EC (2001/58/EC) - ISO 11014-1

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

Product name: Parathane Flash Component A

Uses or/and applications: Self Leveling Polyurethane resin, solvent free (Component A)

Supplier: Icopal SAS
12 Rue de la Renaissance
FR-92184 Antony Cedex
France
Phone: +33 1 40 96 35 00
Fax: +33 1 46 66 24 85
E-mail: contact_fr@icopal.com

Emergency phone number (to be used by the practising doctor): UK - National Poisons Information Service Phone: 44 / 191 22 5131
B - Centre Antipoisons Tél: +32 (0) 70 245 245

2. COMPOSITION / INFORMATION ON INGREDIENTS

Preparation name: Parathane Flash Component A

Description of the preparation: Mixture of: polyols and amines

Component(s) contributing to the hazard: None according to EC directives.

3. HAZARDS IDENTIFICATION

Most important hazards: none

Specific hazards: none

4. FIRST AID MEASURES

General advice: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: The inhalation is not a way of relevant exposure

Skin contact: Wash off immediately with soap and plenty of water removing at the same time all contaminated clothes.
Do NOT use solvents or thinners.

Eye contact: Rinse immediately with plenty of water (during 30 minutes), also under eyelids, taking contact lenses off.
Don't use any type of eye lotion or pomade before to have visited a doctor.
See an ophthalmologist if an irritation occurs.

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: alcohol-resistant foam, carbon dioxide (CO₂), powder, water spray (in sufficient quantity)

Extinguishing media which must NOT be used for safety reasons: Do not use water jet.

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.

Specific fire hazard(s): The exposure to the products of decomposition involves risks proven for health. The wearing of self-rescuers is mandatory.

Special protective equipment for fire-fighters: The port of a self-rescuer is obligatory in the danger zone.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution(s): 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.

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- Environmental precaution(s): 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.
- Method(s) for 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.

7. HANDLING AND STORAGE

Handling

- Precaution(s): Smoking, eating and drinking is prohibited in areas of storage and use.
The Manual Handling Operations Regulations may apply to the handling of containers of this product. Refer to the guide weight indicated on the container when carrying out assessments.
- Technical condition(s): Never use pressure to empty: the container is not a pressure vessel. Always keep in containers made of the same material as the supply container.
- Safe handling advice(s): Keep container closed when not in use.
Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.

Storage

- Precaution(s): Observe the label precautions.
No smoking. Prevent unauthorised access.
- Storage condition(s): Store at temperatures between 10°C and 30°C
- Separation of incompatible product(s): Store separately from oxidising agents and strongly alkaline and strongly acidic materials..
- Packaging / tank material: made of the same material as the supply container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measure(s): The product does not contain dangerous volatile ingredients. It is thus particularly intended for uses in poorly ventilated areas.
- Control parameter(s):
- Exposure limit(s): Not applicable.
- Personal protection equipment:
- Respiratory protection: Not required.
 - Hand protection: A pair of polyethylene or polypropylene gloves in combination with fabric under-gloves are recommended
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.
 - Skin and body protection: long sleeved protective clothing
 - Eye protection: Eye protection designed to protect against liquid splashes should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

- Physical state / form: liquid viscous
- Colour: grey
- Odour: odourless

Important health, safety and environmental information

- PH: Not applicable.
- Boiling point/range: Not determined.
- Flash point: 200°C
- Explosion limits: Not determined.
- Relative density (water = 1): 1,01 kg/l (20°C)

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| - Viscosity: | Not determined. |
| - Water solubility: | Nonmiscible |
| - Fat solubility: | Soluble while not mixed - Insoluble after mixture with B and reticulation |
| - Solvent solubility: | soluble in most organic solvents
Insoluble after mixture with B and crosslinking |

10. STABILITY AND REACTIVITY

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| Stability: | Stable under the recommended storage and handling conditions. (See Section 7).
In its native bucket, the material can be used after 12 months storage. |
| Material(s) to avoid: | Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction. |
| 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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| General information(s): | There is no data available on the product itself. |
| Acute toxicity | |
| - Inhalation: | No data available. |
| - Skin contact: | Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. |
| - Eyes contact: | Splashes in the eyes may cause irritation and reversible local damage. |
| - Ingestion: | No data available. |
| Toxicity of repeated or prolonged exposure: | None the components is registered on the I.A.R.C. list for carcinogenic products. |

12. ECOLOGICAL INFORMATION

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| 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. |
| Environmental toxicity: | Ecological problems are not known or expected under normal use. |
| Other adverse effects | |

13. DISPOSAL CONSIDERATIONS

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| Waste / unused products: | Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. |
| 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. |
| Further Information(s): | |

14. TRANSPORT INFORMATION

- | | |
|-------------------------|--|
| General information(s): | Not classified as dangerous in the meaning of transport regulations. |
| UN N°: | Not applicable. |

15. REGULATORY INFORMATION

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|---------------|--|
| Labelling: | The product does not need to be labelled in accordance with EC directives on classification, packaging and labelling of dangerous substances |
| EC number: | Not applicable. |
| Symbol(s): | None according to EC directives. |
| R-phrases(s): | None according to EC directives. |

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S-phrase(s):

2 Keep out of the reach of children.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
38 In case of insufficient ventilation, wear suitable respiratory equipment.
46 If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

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.

Uses or/and applications:

Self Leveling Polyurethane resin, solvent free (Component A)

Restrictions:

The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.

- First edition date:

12/08/2005

- Previous revision date:

12/08/2005

- Review date:

10/01/2007

- Version:

2

Written by:

TDD / FDS 45