

SAFETY DATA SHEET

Pieri DPL RB Classic

Version: 4

Review date: 22/09/2004

91/155/EC (3 ATP) - ISO 11014-1

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

Product name: Pieri DPL RB Classic
Uses or/and applications: Désactivants de surface pour bétons préfabriqués
Product code nr: Pieri DPL RB Classic
Supplier: Pieri
Maisonneuve
F-71580 Saillenard
France
Phone: +33 (3) 85 76 45 00
Fax: +33 (3) 85 76 10 84
Emergency phone number (to be used by the practising doctor): UK - National Poisons Information Service Phone: 44 / 191 22 5131
B - Centre Antipoisons Tél: 070 / 245.245

2. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation name: Pieri DPL RB Classic
Component(s) contributing to the hazard:

- Amines, N-tallow alkyltrimethylenedioleates - CAS no: 61791-53-5
Conc. wt.(%): 1 < C <= 5 - Symbol(s): C N - R: 51-53-34-21/22
- Aliphatic hydrocarbon solvent FP<0°C - CAS no: .64742-49-0 - EC no: 265-151-9
Conc. wt.(%): 30 < C <= 40 - Symbol(s): F Xn N - R: 11-65-51/53

3. HAZARDS IDENTIFICATION

Most important hazards: Highly flammable.
Specific hazards: Repeated and prolonged exposure may cause skin irritation and dermatitis due to degreasing properties of the product.

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: Take victim to fresh air, in a quiet place and if necessary take medical advice.
Skin contact: Wash skin with plenty of water and soap.
Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: carbon dioxide (CO₂), foam, dry chemical powder
Extinguishing media which must NOT be used for safety reasons: NO water.
Specific method(s): Cool containers / tanks with spray water if possible.
Do not allow run-off from fire fighting to enter drains or water courses.
Specific fire hazard(s): Explosion risks of vapours.
Vapours are heavier than air and spread above ground.
In case of fire, product decomposes in: carbon oxides (CO and CO₂).
Special protective equipment for fire-fighters: Use a self-contained breathing apparatus and also a protective suit..

6. ACCIDENTAL RELEASE MEASURES

Personal precaution(s): Evacuate personnel to a safe area.
Remove all sources of ignition.
Be careful to flashback of fire.
Ensure adequate ventilation.
Environmental precaution(s): Dike and contain spill.
Method(s) for cleaning up: Scoop or vacuum spilled material rapidly in a suitable container with an explosion proof or hand pump.
Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).

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Shovel into suitable and closed container for disposal.
Dispose as hazardous waste.

7. HANDLING AND STORAGE

Handling

- Precaution(s): Avoid all eyes and skin contact and do not breathe vapour and mist.
Shower, eyes shower and water point in proximity.
- Technical condition(s): Explosion-free electrical equipment and lighting with earth. Ventilation along floor.
- Safe handling advice(s): Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.
Opened containers must be carefully closed and kept upright to avoid leakage.

Storage

- Precaution(s): Store in a place accessible by authorised persons only.
- Technical condition(s): Not flammable and waterproof underground retention basin.
- Storage condition(s): Keep away from sources of ignition - No smoking.
Store away from direct sunlight or other heat sources.
Store in a well-ventilated place.
- Packaging / tank material: made of the same material as the supply container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measure(s): Ensure adequate ventilation, especially in confined areas.

Control parameter(s):

- Exposure limit(s):

Aliphatic hydrocarbon solvent; UK EH40 OES :
Short term (15 minutes) = 1500 mg/m³
Long term (8 hours) = 500 mg/m³

Personal protection equipment:

- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. (breathing apparatus with filter A).
- Hand protection: When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. solvent-resistant gloves.
- Skin and body protection: Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. 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.
- Eye protection: Eye protection designed to protect against liquid splashes should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

- Physical state / form: liquid
- Colour: According to type :
- Odour: aliphatic-like

Important health, safety and environmental information

- pH: Not applicable.
- Boiling point/range: 100°C
- Melting point/range: - 40°C
- Flash point: 6°C
- Auto-ignition temperature: > 200°C
- Decomposition temperature: > 200°C
- Explosion limits: 1 - 7 %Vol in air.
- Vapour pressure: 11 Kpa - 38°C

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- | | |
|---------------------------------|--|
| - Relative density (water = 1): | 0,98 - 1,12 selon type |
| - Viscosity: | 70 - 76 cSt (Coupe Iso 2431 N°4 - 40°C)
105 - 115 cSt (Coupe Iso 2431 N°4 - 20°C) |
| - Water solubility: | immiscible |
| - Fat solubility: | Not applicable. |
| - Solvent solubility: | completely miscible |

10. STABILITY AND REACTIVITY

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|-----------------------------------|---|
| Stability: | Stable in use and storage conditions as recommended in item 7. |
| Hazardous decomposition products: | Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. |

11. TOXICOLOGICAL INFORMATION

- | | |
|-----------------|---|
| Acute toxicity | |
| - Inhalation: | Irritating to the respiratory system, may cause throat pain and cough.
Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, breathing arrest. |
| - Skin contact: | Components of the product may be absorbed into the body through the skin.
Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis. |
| - Eyes contact: | Splashes in the eyes may cause irritation and reversible local damage. |
| - Ingestion: | May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Susceptible to induce: oedema of the lungs, heavy breathing difficulty, dizziness. |

12. ECOLOGICAL INFORMATION

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| Environmental toxicity: | No information available about this product. |
| Other adverse effects | |

13. DISPOSAL CONSIDERATIONS

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|--------------------------|--|
| Waste / unused products: | Collect all waste in suitable and labelled containers and dispose according to local legislation. |
| 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): | Transport followed ADR, IMDG, IATA |
| UN N°: | 1263 |
| Land (Road / Railway: ADR/RID) | |
| - proper shipping name: | Paint |
| - class: | 3 |
| - Packing group: | II |
| - ADR/RID-Labels: | 3 |
| Sea (IMDG) | |
| - proper shipping name: | Paint |
| - IMO class: | 3 |
| - Packaging group: | II |
| Air (ICAO/IATA) | 1263 |
| - ICAO/IATA class: | 1263 |
| - ICAO/IATA-Labels: | 3 |

15. REGULATORY INFORMATION

- | | |
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| Labelling: | According to european directives on classification, packaging and labelling of dangerous |
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substances

EEC number: Not applicable.

Symbol(s): F - Highly flammable

R-phrases(s): 11 Highly flammable.

S-phrases(s): 16 Keep away from sources of ignition - No smoking.
29 Do not empty into drains.
33 Take precautionary measures against static discharges.
43 In case of fire, use earth, sand, dry chemical powder or foam Do not use water jet.
9 Keep container in a well ventilated place.

16. OTHER INFORMATION

According legislation(s): This safety data sheet is in compliance with EEC directives and adaptings: 2001/58/ce.

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.
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 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: Désactivants de surface pour bétons préfabriqués

Restrictions: This information relates to the specific material designated and may not be valid in combination with other product(s).

History

- First edition date: 24/07/2000
- Previous revision date: 30/09/2003
- Review date: 22/09/2004
- Version: 4
- Review chapter(s) n°: 1