

# SAFETY DATA SHEET

## Pieri DRC 6

Version: 7

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 DRC 6  
Uses or/and applications: Surface retarder for prefab elements  
Product code nr: Pieri DRC 6  
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 DRC 6  
Description of the preparation: Total aromatic content: < 0,01 %  
Component(s) contributing to the hazard:

- Solvant aliphatique PE < 0-0.5 - CAS no: .64742-49-0  
Conc. wt.(%): 40 < C <= 50 - Symbol(s): F Xn N - R: 11-38-65-67-51/53
- Amines, N-tallow alkyltrimethylenedioleates - CAS no: 61791-53-5  
Conc. wt.(%): 1 < C <= 5 - Symbol(s): C N - R: 51-53-34-21/22

### 3. HAZARDS IDENTIFICATION

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

### 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 in an half laying position, do artificial respiration if necessary and urgently take medical advice.  
Skin contact: Take off immediately all contaminated clothing. Wash with water and soap as a precaution.  
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,  
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).  
Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.  
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.  
Avoid contact with skin, eyes, or clothing.  
Concerning personal protective equipment to use, see item 8.

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Environmental precaution(s):	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).

### 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. Wear personal protective equipment (see item 8 ).
- 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):  
CAS N° 64742-49-0 =  
Short term (15 minutes) = 1500 mg/m<sup>3</sup>  
Long term (8 hours) = 500 mg/m<sup>3</sup>  
Germany: MAK : 200 mg/m<sup>3</sup>

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. nitrile rubber 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.
- 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

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- Decomposition temperature:	> 200°C
- Explosion limits:	1 - 7 %Vol in air.
- Vapour pressure:	11 Kpa - 38°C
- 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

Stability:	Stable in use and storage conditions as recommended in item 7.
Condition(s) to avoid:	Condition(s) to avoid:
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.
- 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

Environmental toxicity:	May be dangerous for environment.
Other adverse effects	

### 13. DISPOSAL CONSIDERATIONS

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:	3.2
- Packaging group:	II
Air (ICAO/IATA)	1263
- ICAO/IATA class:	1263
- ICAO/IATA-Labels:	3

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### 15. REGULATORY INFORMATION

Labelling:	According to european directives on classification, packaging and labelling of dangerous substances
EEC number:	Not applicable.
Symbol(s):	F - Highly flammable ; N - Dangerous for the environment
R-phrases(s):	11 Highly flammable. 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s):	16 Keep away from sources of ignition - No smoking. 43 In case of fire, use earth, sand, dry chemical powder or foam 57 Use appropriate container to avoid environmental contamination. 61 Avoid release to the environment. Refer to special instructions/Safety data sheets. 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:	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. 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.
Uses or/and applications:	Surface retarder for prefab elements
Restrictions:	This information relates to the specific material designated and may not be valid in combination with other product(s).
Other data:	Text of R phrases listed in section 2: Highly flammable. Harmful in contact with skin and if swallowed. Causes burns. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness
History	
- First edition date:	29/06/1999
- Previous revision date:	24/09/2003
- Review date:	22/09/2004
- Version:	7
- Review chapter(s) n°:	1