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SAFETY DATA SHEET (91/155/EC)

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

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\* Product name:  
COLD PATINATION PRE-TREATMENT

\* Supplier:  
LIBERON  
Mountfield Ind Est  
New Romney  
Kent TN28 8XU

Tel: 0044 (0)1797 367555  
Fax: 0044 (0)1797 367575

\* Emergency phone number (to be used by the practising doctor):  
UK - National Poisons Information Service Phone: 44 / 191 22 5131

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2. COMPOSITION/INFORMATION ON INGREDIENTS

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\* Preparation name:  
COLD PATINATION PRE-TREATMENT

\* Component(s) contributing to the health hazard:  
phosphoric acid ... %, orthophosphoric acid ... %  
A 1 NR: 015-011-00-6 CAS NR: 7664-38-2 EC NR: 231-633-2  
Conc. (weight %): <25% - Symbol(s): Xi - R: 36/38  
TLV TWA mg: 1.00000 \*  
TLV STEL mg: 2.000 \*

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3. HAZARDS IDENTIFICATION

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\* Most important hazards:  
Irritating to eyes and skin.  
Flammable.

\* Specific hazards:

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4. FIRST AID MEASURES

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

\* Inhalation:  
Remove to fresh air, keep the patient warm and at rest. If breathing is

Irregular or stopped, administer artificial respiration. Give nothing by mouth.

If unconscious, place in the recovery position and seek medical advice.

\* Skin contact:

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a Proprietary skin cleaner.

Do NOT use solvents or thinners.

In the case of accidental skin contact avoid concurrent exposure to sunlight or other sources of UV radiation which may increase the sensitivity of the skin.

\* Eye contact:

Contact lenses should be removed. Irrigate copiously with clean, fresh water For at least 10 minutes, holding the eyelids apart, and seek medical advice.

In the case of accidental eye contact avoid concurrent exposure to sunlight or other sources of UV radiation which may increase the sensitivity of the eyes.

\* Ingestion:

If accidentally swallowed obtain immediate medical attention. Keep at rest.

Do NOT induce vomiting.

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## 5. FIRE-FIGHTING MEASURES

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\* Suitable extinguishing media:

alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), powder.

\* 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):

Fire will produce dense black smoke. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.

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## 6. ACCIDENTAL RELEASE MEASURES

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\* Personal precaution(s):

Concerning personal protective equipment to use, see item 8.

\* Environmental precaution(s):

Do not allow to enter drains or watercourses.

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.

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## 7. HANDLING AND STORAGE

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### \* Handling

#### \* - Precaution(s):

Smoking, eating and drinking should be prohibited in areas of use.

For personal protection, see Section 8.

#### \* - Technical condition(s):

ALWAYS add product to water for dilution/mixture.

#### \* - Safe handling advice(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.

### \* Storage

#### \* - Precaution(s):

Observe the label precautions.

No smoking. Prevent unauthorised access.

#### \* - Storage condition(s):

Containers which are opened should be properly resealed and kept upright to prevent leakage.

#### \* - 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.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### \* Engineering measure(s):

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

### \* Control parameter(s):

#### \* Personal protection equipment:

##### \* - Respiratory protection:

Air-fed respiratory protective equipment should be worn when this product is Sprayed if the exposure of the sprayer or other people nearby cannot be Controlled to below the occupational exposure limit

##### \* - Hand protection:

##### \* - Skin and body protection:

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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical state / form: liquid

Colour: light yellow  
Odour: PUNGENT SMELL  
pH: <4  
Boiling point/range: Not determined.  
Flash point: 48°C  
Explosion limits: Not applicable.  
Relative density (water = 1): 1 / 1.1 g/cm<sup>3</sup>  
Viscosity: Not determined.  
Water solubility: dispersible  
Fat solubility: not determined  
Solvent solubility: partly soluble

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## 10. STABILITY AND REACTIVITY

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\* Stability:

Stable in use and storage conditions as recommended in item 7.

\* Hazardous decomposition products:

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, Nitrous Oxides

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## 11. TOXICOLOGICAL INFORMATION

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\* General information(s):

There is no data available on the product itself.

\* Acute toxicity

\* - Inhalation:

Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

\* - Skin contact:

Acrylate components have irritant properties. Prolonged or repeated contact with the skin or mucous membrane may result in irritant symptoms such as redness, blistering or dermatitis. Onset of symptoms may be delayed.

\* - Eyes contact:

Liquid splashes in the eye may cause irritation.

\* - Ingestion:

Ingestion may lead to severe respiratory difficulties, stimulation of the central nervous system and in extreme cases unconsciousness.

\* Sensitisation:

Cases of allergic skin reaction have been observed.

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## 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 watercourses or be deposited where it can affect ground or surface waters.

\* Environmental toxicity:

Ecological problems are not known or expected under normal use.

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### 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.

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### 14. TRANSPORT INFORMATION

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General information(s):

Transport followed ADR, IMDG, IATA

UN No. 2924

Land (Road / Railway: ADR/RID)

- item and letter: 3.26 B

Sea (IMDG)

- IMO class: 3.2

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### 15. REGULATORY INFORMATION

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\* EC number: Not applicable.

Symbol(s): Xi - Irritant

R-phrase(s):

R : 10

Flammable.

R : 36/38

Irritating to eyes and skin.

S-phrase(s):

S : 2

Keep out of the reach of children.

S : 25

Avoid contact with eyes.

S : 26

In case of contact with eyes, rinse immediately with plenty of water and seek Medical advice.

S : 29

Do not empty into drains.

S : 37

Wear suitable gloves.

S : 46

If swallowed, seek medical advice immediately and show this container or label.

S : 49

Keep only in the original container.

S : 51

Use only in well-ventilated areas.

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### 16. OTHER INFORMATION

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\* 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.

\* 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.

\* History

- First edition date: 07/10/1998

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- Version: 2

- Review chapter(s) n°: 3/14/15

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