

Material Safety Data Sheet
According to 91/155 EEC

Printing date 28.12.2004

Reviewed on 28.12.2004

*** 1 Identification of substance:****Trade name: Fi-CLOR CLEAN SURFACE****Article number:** 10615 Fi-Clor**Application of the substance / the preparation** Water treatment**Manufacturer/Supplier:**ARCH CHEMICALS Ltd
Wheldon Road - Castleford - West Yorkshire WF10 2JT - ENGLAND
Telephone: + 44 (0) 1977 714 100
Fax: + 44 (0) 1977 712 456**Information in case of emergency:**CALL A LOCAL NATIONAL POISON CONTROL UNIT OR
ARCH USA CHEMICALS EMERGENCY 24 HOUR TEL No. + 1-423-780-2970
FOR UK CONTACT NCEC Tel 01865 407 333**2 Composition/Data on components:****Chemical characterization****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 57-55-6	propane-1,2-diol	2-3%
EINECS: 200-338-0		
	Imidazolidinyle Urée	< 1%
CAS: 99-76-3	methyl 4-hydroxybenzoate	< 1%
EINECS: 202-785-7		
CAS: 94-13-3	propyl 4-hydroxybenzoate	< 1%
EINECS: 202-307-7		

Additional information For the wording of the listed risk phrases refer to section 16.**3 Hazard identification****Hazard description:**

Xn Harmful

Information concerning to particular hazards to man and environment

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 22 Harmful if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Classification system

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First aid measures**General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation In case of unconsciousness place patient stably in side position for transportation.**After skin contact** Immediately wash with water and soap and rinse thoroughly.**After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.**After swallowing**

Induce vomiting and call for medical help.

Call for a doctor immediately.

5 Fire fighting measures**Suitable extinguishing agents**CO₂, powder or water spray. Fight larger fires with water spray.
Use fire extinguishing methods suitable to surrounding conditions.**Protective equipment:**

Wear self-contained respiratory protective device.

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Wear fully protective suit.

6 Accidental release measures

Person-related safety precautions: Not required.**Measures for environmental protection:**

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

Handling

Information for safe handling:

Store in cool, dry place in tightly closed receptacles.

Use only in well ventilated areas.

Information about fire - and explosion protection: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:**

Protect from humidity and water.

Keep receptacle tightly sealed.

8 Exposure controls and personal protection gear

Additional information about design of technical facilities: No further data; see item 7.**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles.

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9 Physical and chemical properties:

General Information

Form: Liquid
Colour: Light brown
Odour: Characteristic

Change in condition

Melting point/Melting range: undetermined
Boiling point/Boiling range: 100°C

Flash point: 100°C

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Density: Not determined

Solubility in / Miscibility with Water: Fully miscible

pH-value at 20°C: 6

Solvent content:
Organic solvents: 0.0 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous decomposition products:

Carbon monoxide
 Carbon dioxide
 Aldehyde

11 Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

Imidazolidinyle Urée

Oral LD50 5200 mg/kg (rat)

Dermal LD50 > 8000 mg/kg (rabbit)

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Harmful
 Irritant

12 Ecological information:

General notes: Not known to be hazardous to water.

13 Disposal considerations

Product:

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

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14 Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: N.A.

Maritime transport IMDG:

IMDG Class: N.A.

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: N.A.

15 Regulations

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product:


Xn Harmful

Hazard-determining components of labelling:

Imidazolidinyle Urée

Risk phrases:

22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrases:

2 Keep out of the reach of children.

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

28 After contact with skin, wash immediately with plenty of soap and water.

29 Do not empty into drains.

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

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

* **Data compared to the previous version altered.**