

# Health & Safety Data Sheet (**Multiclean**)

Date: 17-02-1998

according 91/155/eeg

Last revision: 16-08-1999

## 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

### 1.1. Product name and/or code:

Trade names: **Multiclean**, ammonia substitute

Intended use: Cleaner/degreaser for various substrates

### 1.2. Manufacturer information, name, full address and telephone number of company:

IPCS Limited, 32 Daryngton Avenue, Birchington, Kent. CT7 9PS

Telephone: (01843) 845472 Fax: (01843) 847722

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation: Alkaline product

Description: Product contains non-ionics (<5%), an-ionics (<5%), glycols and citrates

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC

CAS-Nr.	Conc.	Symbol	R-phrases
-	-	-	-

## 3. HAZARDS IDENTIFICATION OF THE PREPARATION

Particular hazard record for humans: irritating for the eyes

## 4. FIRST AID MEASURES

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

Inhalation:

Eye contact: Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and if irritation persists, seek medical advice.

Skin contact: Irrigate copiously with clean, fresh water. Remove contaminated clothing.

Ingestion: **Do not** induce vomiting; make the affected person drink water

## 5. FIRE-FIGHTING MEASURES

Extinguishing media: recommended: alcohol resistant foam, CO<sub>2</sub>, water spray

Recommendations: Appropriate breathing apparatus may be required (fire-fighters).

## 6. ACCIDENTAL RELEASE MEASURES

Precautions with regard to persons: Always wear protective gloves on PVA basis.

Environmental precautions: Do not allow the concentrated product to enter drains or watercourses.  
For disposal of neutralised product, seek approval and advice from the local authorities. (biodegradable)

Procedure for waste disposal: Rinse with plenty of fresh water. Refer to local authorities for restrictions.  
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

### 7.1. Handling:

Information regarding safe handling: Keep product in original containers during use and storage. Keep container tightly closed. Isolate from sources of heat, sparks and open flames. No sparking tools should be used. Never use pressure to empty the container, as the container is not a pressure vessel. Always keep in original containers or containers of the same material. Comply with the local health and safety laws at work.

### 7.2. Storage:

Store in accordance with local regulations.  
Observe label precautions. Store between 5°C and 30°C in dry, well-ventilated areas, away from sources of heat and direct sunlight. Keep from frost; if frozen, allow the product to thaw. Keep away from oxidising agents and strong acids.  
Opened containers must be resealed carefully and kept upright to prevent leakage.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Engineering measures: Provide adequate ventilation. Where reasonably practical this should be achieved by the use of local extraction.

8.2. Exposure limits:  
Occupational exposure limit for: no data available

### 8.3. Personal protection:

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection: For prolonged or repeated contact use rubber or plastic gloves. Barrier creams may help to protect the exposed areas of skin; however they are no substitute for gloves.

**Sole Distributor North England and Scotland:**

**Environment Friendly Coatings Ltd: 98 Banded Road, Fallin, Stirling FK7 7EW Tel: 01786 817 902 Fax: 0800 066 4943**

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**8.3 (ctd) Personal protection: (ctd)****Eye protection:**

Use safety eye-wear designed to protect against splash of liquids.

**Skin protection:**

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre. All parts of the body should be washed after contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state:</b>	liquid	<b>Explosion limits:</b>	not applicable
<b>Colour:</b>	greenish blue	<b>Vapour density:</b>	n/a
<b>Smell:</b>	typical	<b>Specific gravity:</b>	1,042 at 20°C
<b>Transformation:</b>	n/a	<b>Solubility in water:</b>	100% mixable
<b>Melting point:</b>	n/a	<b>pH value:</b>	12.0
<b>Boiling point:</b>	approximately 100°C	<b>Viscosity (kinematic):</b>	7 mPa.s LV Brookfield
<b>Flash point:</b>	n/a		

**10. STABILITY AND REACTIVITY**

Stable under recommended storage and handling conditions (see section 7). Protect from freezing. Keep away from oxidising agents and strong acid materials.

**11. TOXICOLOGICAL INFORMATION**

<b>General:</b>	According TNO HR207037 (Dutch code of practice NPR 6522) at high (400 mg) and low (100 mg) concentrations no increased toxicity recorded.
<b>Acute toxicity:</b>	LD 50 oral mouse: > 5000 mg/kg
<b>Primary affection:</b>	
<b>Skin:</b>	not irritating in direct contact with rabbit (skin) - <a href="#">literature cross-reference</a>
<b>Eye:</b>	slightly irritating in direct contact with rabbit (eyes) - <a href="#">literature cross-reference</a>
<b>Over sensitivity:</b>	not hazardous under normal conditions and with due observance of industrial hygiene.

**12. ECOLOGICAL INFORMATION**

<b>General information:</b>	Investigation method of biological degradability NEN 6515 (Dutch Industrial Standard), OECD 301D, TNO HR207037
<b>Degree of elimination:</b>	> 80%
<b>Valuation:</b>	easily eliminated, biologically degradable
<b>Environmental comparison:</b>	according TNO HR207037: When adding Multiclean to activated silt, the degradation reaction is not retarded.
<b>Chemical oxygen consumption:</b>	according NEN 6633: 69.000 mg/l

**13. DISPOSAL CONSIDERATIONS**

<b>Product:</b>	Remainders of product may be diluted with plenty of water and disposed of via normal sewage systems, only if there are no restrictions of local authorities.
<b>Packaging:</b>	Dispose as household waste (see local directions).

**14. TRANSPORT INFORMATION**

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICOA/IATA for air transport. In all cases free of classification.

ADR/RID:	Class:	Item:	Transport document name:	Label:
IMDG:	Class:	UN nr.:	Proper shipping name:	Label:
	Marine pollutant	yes no		
	EmS:	MFAG:		
ICOA/IATA:	Class:	Un nr.	Proper shipping name:	Label:

Packaging group:

**15. REGULATORY INFORMATION**

In accordance with EC directives

<u>Symbol</u>	<u>R-phrases</u>	<u>S-phrases</u>
No symbol		S2

The product is labelled as follows:

**16. OTHER INFORMATION**

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, as the user's working conditions are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties.

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