

# PRODUCT SAFETY DATA SHEET

## 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: Heavy Duty Cleaner  
Supplier: Chemical Solutions  
42 Kennel Lane  
Fetcham  
Surrey KT22 9PJ  
0870 2408893

## 2 INFORMATION ON INGREDIENTS

Product Description: Aqueous solution containing Sodium Hydroxide, alkalis, surfactant and water

Hazardous Ingredients:

Material or Component	CAS No	% Range	Symbol	Risk Phrases
Caustic Soda	1310-73-2	0-2%	C	35
Carbonic Acid Disodium Salt	497-19-8	0-5%	Xi	36/38
Sodium Metasilicate	10213-79-3	0-1%	C	34,37
Tri Sodium Phosphate	7601-54-9	0-5%	Xi	36/37/38
Monoethyl ether of dipropylene glycol	34590-94-8	0-5%		
Sodium alkyl ether sulphate	13150-00-0	0-5%	Xi	36/38

## 3 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

## 4 FIRST AID MEASURES

Eyes: Flush out eyes with plenty of water and if irritation persists obtain medical attention.  
Skin: Wash off with plenty of soap and water.  
Inhalation: N/A  
Ingestion: Give drinks of milk or water. Do not induce vomit. Obtain medical attention.

## 5 FIRE FIGHTING MEASURES

Extinguishing Media: Not Flammable  
Protective Equipment for Fire Fighting:  
Further Information:

## 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Gloves and protective clothing are required.  
Environmental Precautions: Do not allow to enter natural water courses  
Spillages: Wash small spillages away to the drain, contain large spillages in sand or earth.  
DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS

## 7 HANDLING AND STORAGE

Handling: Wear eye protection if splashing is possible. Wear rubber gloves for continuous hand use.  
Storage: Store in a secure place at ambient temperatures

## 8 PERSONAL PROTECTION/EXPOSURE CONTROLS

Take measures to prevent eye/skin contact and ingestion.

Hazardous Ingredient	LTEL 8hr TWA ppm mg/m <sup>3</sup>	STEL (15 mins) ppm mg/m <sup>3</sup>	TYPE	NOTES
Caustic Soda		2mg / m <sup>3</sup>	OES	
Carbonic Acid Disodium Salt				
Insoluble Dust	10mg /m <sup>3</sup>			
Tri Sodium Phosphate	4mg/ m <sup>3</sup>			
Monoethyl ether of dipropylene glycol		150ppm (skin)		TLV 100ppm

## **9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Colour:	Pale yellow liquid
Odour:	Faint
pH Value:	12+/-1
Boiling Range (oC):	100
Melting Point (oC):	N/A
Flash Point (oC):	Boils without flashing
Auto Ignition Temp. (oC):	N/A
Explosive Limits in Air:	N/A
Vapour Pressure @20oC:	No data
Relative Density @20oC:	1.09+/-0.02
Water Solubility:	Soluble
Other Data:	

## **10 STABILITY AND REACTIVITY**

Conditions to Avoid:	Freezing and low temperature
Materials to Avoid:	
Hazardous Decomposition:	

## **11 TOXICOLOGICAL INFORMATION**

Eye Contact:	Irritant
Skin Contact:	Irritant
Ingestion:	Irritate the digestive tract.
Inhalation:	N/A
Caustic Soda	LD50 500mg/Kg Oral –Rabbit (10% solution)
Carbonic Acid Disodium Salt	LD50 (oral rat) 4090 mg/Kg
Tri Sodium Phosphate	LD50 4100 mg/Kg oral rat
Monoethyl ether of dipropylene glycol	LD50 5130MG/ Kg oral rat > 19000 mg /Kg skin rabbit
Sodium alkyl ether sulphate	LD50 >2000 mg /Kg oral rat, skin rabbit

## **12 ECOLOGICAL INFORMATION**

Biodegradability:	Readily biodegraded in biological effluent treatment
Toxicity:	Not Known to be toxic
Effect on Effluent Treatment:	None Known
Mobility:	
Caustic Soda Aquatic Toxicity:	Highly toxic to aquatic organisms due to high pH
Tri Sodium Phosphate	LC50 Fish Gambusia affinis /96 hr: 150mg/L
Monoethyl ether of dipropylene glycol	LC50 fathead minnow > 10000 mg /L EC50 daphnia magna = 1919 mg/ L IC0 bacterial inhibition = 4168 mg /L Not considered harmful to aquatic organisms.
Sodium alkyl ether sulphate	>90% Biodegradable (EEC 82/243)
Carbonic Acid Disodium Salt	LC50 (inhalation rat) 5750 mg/ L (2 hours) Max attainable concentration.

## **13 DISPOSAL CONSIDERATIONS**

Product:	May be flushed well diluted with water to the drain.
Packages:	Dispose of in accordance with waste disposal regulations

## **14 TRANSPORT INFORMATION**

Classification for Transport:	Not Hazardous
UN Number:	
UN Proper Shipping Name:	
ADR/RID Class:	
ADR/RID Item No.:	
IMDG Packaging Group:	III , X
IMDG Class:	

**15 REGULATORY INFORMATION**

EEC Classification:

Risk Phrases:

Safety Phrases:

Irritant

R 36/38 Irritating to eyes and skin

S2: Keep out of reach of children

S26 In case of contact with eyes, rinse immediately with plenty of water and seek immediate medical advice

S37/39: Wear suitable gloves and eye/face protection

S46: If swallowed, wash out mouth, then drink plenty of milk or water, and seek medical attention immediately, showing the container

**16 OTHER INFORMATION**

This data sheet was prepared in accordance with Directive 91/155/EEC

Conforms to CHIP 3 (2002)

Revision date: February 2004