

PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: Engine & Chassis Cleaner
Supplier: Chemical Solutions
42 Kennel Lane
Fetcham
Surrey KT22 9PJ
0870 2408893

2 INFORMATION ON INGREDIENTS

Product Description: A blend of sequestrants, alkali, surfactants, sodium hydroxide and water.

Hazardous Ingredients:

Material or Component	CAS No	% Range	Symbol	Risk Phrases
Trisodium Nitrilo Triacetate	5064-31-3	1-5	Xi	36/38
Sodium Hydroxide	1310-73-2	1-5	C	35
Alcohol Ethoxylate	68439-45-2	1-5	Xn	22/36/38
Mixed Amine	102-71-6	1-5	Xi	36/38
Sodium silicate	1344-09-8	1-5	Xi	36/38
Coco Amido Betaine	61789-40-0	1-10	Xi	36

3 HAZARDS IDENTIFICATION

Irritant Xi

4 FIRST AID MEASURES

Eyes: Flush out eyes with plenty of water forcing eyelids open if necessary. Obtain immediate medical attention.

Skin: Remove contaminated clothing. Wash affected area with plenty of soap and water and obtain medical attention if irritation persists.

Inhalation: Remove to fresh air at once if affected. Obtain immediate medical attention if discomfort continues.

Ingestion: Rinse out mouth thoroughly. DO NOT induce vomiting. Give drinks of water or milk and obtain medical attention immediately. NEVER GIVE DRINKS OR INDUCE VOMITING IN AN UNCONSCIOUS PERSON.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Not flammable. Use media best suited to surrounding fire.

Protective Equipment for Fire Fighting: Wear breathing apparatus.

Further Information: If it can be achieved safely remove container from fire area. Cool with water to disperse vapours.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing. Avoid contact with skin, eyes and clothing.

Environmental Precautions: Do not allow to enter natural water courses. If this happens notify authorities.

Spillages: Wash small spillages away to the drain, contain large spillages in sand or earth, place in suitable container and DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

7 HANDLING AND STORAGE

Handling: Wear eye/skin protection. Wear rubber gloves for continuous hand use.

Storage: Store in a secure, dry place away from food at ambient temperatures. Do not allow to freeze.

8 PERSONAL PROTECTION/EXPOSURE CONTROLS

Take measures to prevent eye/skin contact and ingestion. Wear gloves, goggles or face shield.

INGREDIENT:	CAS No:	STD	LT EXP. 8hrs	ST EXP. 15mins
Sodium Hydroxide	1310-73-2	OES	No std	2 mg/m ³

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour:	Pale Straw Liquid
Odour:	Faint
pH Value:	13
Boiling Range (°C):	100
Melting Point (°C):	N/A
Flash Point (°C):	Boils without flashing
Auto Ignition Temp. (°C):	N/A
Explosive Limits in Air:	N/A
Vapour Pressure @20°C:	No data
Relative Density @20°C:	1.07 +/- 0.05
Water Solubility:	Soluble
Other Data:	

10 STABILITY AND REACTIVITY

Conditions to Avoid:	Freezing.
Materials to Avoid:	Bleach, acids and oxidising agents. Contact with zinc or aluminium may liberate hydrogen.
Hazardous Decomposition:	Carbon Monoxide, carbon dioxide, nitrous gases.

11 TOXICOLOGICAL INFORMATION

Eye Contact:	Causes severe burns and severe damage and loss of sight may occur.
Skin Contact:	Irritating to skin.
Ingestion:	Causes burns. May cause burns in the mucous membrane, throat, oesophagus and stomach. Swallowing concentrated chemical may cause severe internal injury.
Inhalation:	Vapour may irritate respiratory system. Trisodium nitrilo Triacetate LD50- 1450mg/kg (oral rat) Sodium Hydroxide LD50- 500mg/kg (oral rbt)

12 ECOLOGICAL INFORMATION

Biodegradability:	Fully biodegradable.
Toxicity:	Non toxic.
Effect on Effluent Treatment:	Little or no effect.
Mobility:	N/A

13 DISPOSAL CONSIDERATIONS

Product:	Dispose of in accordance with Local Authority requirements. Dilute with plenty of water. Neutralise with HCl and discharge to drain.
Packages:	Dispose of in accordance with waste disposal regulations.

14 TRANSPORT INFORMATION

Classification for Transport:	Not Classified as hazardous.
UN Number:	
UN Proper Shipping Name:	
ADR/RID Class:	
ADR/RID Item No.:	
IMDG Packaging Group:	III
IMDG Class:	

15 REGULATORY INFORMATION

EEC Classification:

Risk Phrases:

Safety Phrases:

Irritant Xi.

R36/38 Irritating to eyes and skin.

S2: Keep out of reach of children

S24/25 Avoid contact with skin and eyes.

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

S36/37/39 Wear suitable protective clothing, 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: December 2003