

SAFETY DATA SHEET

GLUE REMOVER

Last changed: 29/08/2011

Internal No: 2010-01-28

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME GLUE REMOVER
APPLICATION AREA Detergent

Vendor art. number
1800

NATIONAL MANUFACTURER/IMPORTER

Enterprise Trion Tensid AB
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CONTACT PERSONS

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Emergency Phone	Type of assistance	Opening Hours
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2. HAZARDS IDENTIFICATION

GENERAL

Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

HEALTH

R22 Harmful if swallowed. Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness. R66 Repeated exposure may cause skin dryness or cracking.

FIRE AND EXPLOSION

R10 Flammable.

ENVIRONMENT

Partially biodegradable. Contains component/components that may have detrimental long-term effects in the water environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
Low boiling point naphtha - unspecified, Solvent naphtha (petroleum), light arom.		265-199-0	64742-95-6	30 - 60 %	T,F,N,R10 - R37 - R45 - R51/53 - R65 - R66 - R67
ethanol		200-578-6	64-17-5	30 - 60 %	F,R11
2-propanol		200-661-7	67-63-0	5 - 10 %	Xi,F,R11 - R36 - R67
1-butanol		200-751-6	71-36-3	1 - 5 %	Xn,R10 - R22 - R37/38 - R41 - R67

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

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4. FIRST AID MEASURES

GENERAL

Consult a physician for specific advice.

INHALATION

Fresh air.

SKIN CONTACT

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Consult an eye specialist if the irritation persists.

INGESTION

Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. DO NOT induce vomiting if swallowed chemical is dissolved in petroleum based material. Danger of aspiration and development of chemical pneumonia. To hospital or physician.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguishing agent: alcohol-resistant foam, carbon dioxide, powder or sand.

IMPROPER EXTINGUISHING MEDIA

Avoid water in straight hose stream; will scatter and spread fire.

EXTINGUISHING METHODS

Cool with a wide water jet. Cover over with dry sand.

FIRE AND EXPLOSION HAZARDS

The product is flammable.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Avoid breathing fire vapours. Firemen must wear closed-circuit breathing equipment and full protective suits.

OTHER INFORMATION

Containers close to fire should be removed or cooled with water.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear necessary protective equipment.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Collect in a suitable container approved for the purpose. Bank in and collect. Prevent discharges into the sewage system, watercourses or lakes.

METHODS FOR CLEANING UP

Absorb in inert material (vermiculite, dry sand or earth) and collect. Notify operator of sewage treatment plant about spillage or discharge.

7. HANDLING AND STORAGE

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HANDLING PRECAUTIONS

Keep away from sources of ignition. May attack some plastics, rubber and coatings. Provide good ventilation.

HANDLING ADVICE

Avoid contact with the skin and eyes, and also contact with clothes. Store in original container to avoid contamination.

STORAGE

Keep container tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL

Use suitable protective gloves and protective clothes if there is risk of direct contact or splashing.

RESPIRATORY PROTECTION

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator with A filter (brown).

EYE PROTECTION

Use approved safety goggles or face shield.

HAND PROTECTION

Use protective gloves that are resistant to chemicals. Protective gloves (butyl rubber, natural rubber, nitrile rubber).

PROTECTIVE CLOTHING

Use suitable protective clothing, as necessary.

OTHER INFORMATION

Isolate contaminated clothing and wash before reuse.

OEL value

Ingredient name	CAS no.	Range	ppm	mg/m ³	Year	Notification
ethanol	64-17-5	15 min.	1000	1900	1993	
ethanol	64-17-5	8 h	500	1000	1993	
2-propanol	67-63-0	15 min.	250	600	1989	
2-propanol	67-63-0	8 h	150	350	1989	
1-butanol	71-36-3	15 min.			1989	H
1-butanol	71-36-3	8 h	15	45	1989	H

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid.
COLOUR	Colourless.
ODOUR	Odour of organic solvent. Odour of alcohol.
SOLUBILITY	Miscible with: Organic solvents.
WATER SOLUBILITY	The product has limited solubility in water.
FAT SOLUBILITY	Not applicable.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
pH in solution	~ 7.00		
Flash point	~ 30.00 °C		
Density	850.00 kg/m ³		

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10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions.

CONDITIONS TO AVOID

Keep away from sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS

Incomplete combustion/thermal decomposition will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide. May have a numbing effect.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXIC TEST RESULTS

Low boiling point naphtha - unspecified, Solvent naphtha (petroleum), light arom.

Route of exposure	Exposure time	Value/unit	Species	Source
LD50(Oral)		> 2000.00 mg/kg	rat	

ethanol

Route of exposure	Exposure time	Value/unit	Species	Source
LD50(Dermal)		> 20000.00 mg/kg	rabbit	
LD50(Oral)		7060.00 mg/kg	rat	

2-propanol

Route of exposure	Exposure time	Value/unit	Species	Source
LC50(Inhalation)	4h	72.60 mg/l	rat	
LD50(Dermal)		12800.00 mg/kg	rabbit	
LD50(Oral)		4710.00 mg/kg	rat	

1-butanol

Route of exposure	Exposure time	Value/unit	Species	Source
LC50(Inhalation)	4h	25.00 mg/l	rat	
LD50(Dermal)		3400.00 mg/kg	rabbit	
LD50(Oral)		700.00 mg/kg	rat	

INHALATION

Nausea, vomiting. High concentrations may give rise to symptoms such as smarting, coughing, headache, nausea, dizziness and tiredness.

SKIN CONTACT

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons.

EYE CONTACT

Irritation. May cause temporary problems such as smarting, pains and redness.

INGESTION

Ingestion may cause nausea, vomiting, diarrhoea and respiratory difficulties. Risk of lung damage. Risk of chemical pneumonia.

12. ECOLOGICAL INFORMATION

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AQUATIC ECOTOXICITY

2-propanol				
Test	Exposure time	Value/unit	Species	Source
EC50(Acute Daphnia)	48h	13299.00 mg/l	Daphnia magna	

1-butanol				
Test	Exposure time	Value/unit	Species	Source
EC50(Acute Daphnia)	48h	1983.00 mg/l	Daphnia magna	
IC50(Acute algae)	72h	500.00 mg/l	Scenedesmus subspicatus	

ECOTOXICITY

Contains component/components that may have detrimental long-term effects in the water environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

MOBILITY

The product has limited solubility in water.

DEGRADABILITY

Partially biodegradable.

ACCUMULATION

Contains component/components that can be bioaccumulated.

OTHER INFORMATION

The assessment is based on the properties of the components.

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS

Treat as dangerous waste. Dump or destroy in accordance with official recommendations and applicable legislation.

CATEGORY OF WASTE

Suitable classification of waste is the responsibility of the user. Empty packages must be handled in an environmentally-correct manner as per the applicable laws and regulations.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods: Yes

UN No.: 1993

TRADE NAME AND DESCRIPTION

FLAMMABLE LIQUID, N.O.S (contains aromatic hydrocarbons C9 C10 and ethanol mixture)

ADR/RID			
Class:	3	Packing group:	III
Danger form:	3		
Hazard ID:	30		
flammable liquid (flash-point between 23 °C and 61 °C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61 °C, heated to a temperature equal to or above its flash-point, or self-heating liquid			

IMDG			
Class:	3	Packing group:	III
Sub Risk:		EMS:	F-E,S-E
Marine Pollutant:	YES		

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IATA

Class:	3	Packing group:	III
Sub Risk:			
Label:	3		

15. REGULATORY INFORMATION



Harmful



Dangerous for the environment

EC-Label: No

COMPOSITION

Low boiling point naphtha - unspecified, Solvent naphtha (petroleum), light arom. (30 - 60 %), ethanol (30 - 60 %), 2-propanol (5 - 10 %), 1-butanol (1 - 5 %)

R-PHRASES

R10 Flammable.
R22 Harmful if swallowed.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.

S-PHRASES

S37/39 Wear suitable gloves and eye/face protection.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After contact with skin, wash with plenty of water.
S7/9 Keep container tightly closed and in a well-ventilated place.
S2 Keep out of the reach of children.
S23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

16. OTHER INFORMATION

VENDOR NOTES

Assessed on the basis of available data.

LIST OF RELEVANT R-PHRASES

R10 Flammable.
R11 Highly flammable.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R45 May cause cancer.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

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REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.1	28/01/2010	WS	New database
1.0.2	30/08/2011	WS	Wrong Date for MSDS