

SAFETY DATA SHEET

according to 1907/2006 EC, Article 31

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Dyne Test Solutions Type "A" – 30 Dynes/cm (mN/m)Revision 2
Revision date 03-Jan-2014**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY**

Product name Dyne Test Solutions Type "A" – 30 Dynes/cm (mN/m)

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2. HAZARDS IDENTIFICATION

Main hazards Flammable Harmful by inhalation, in contact with skin and if swallowed. May impair fertility. May cause harm to the unborn child.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
2-Ethoxyethanol	90-100%	110-80-5	203-804-1	R10 Repr Cat 2; R60-61 Xn; R20/21/22

4. FIRST AID MEASURES

Skin contact Harmful if swallowed. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Harmful by inhalation. Move the exposed person to fresh air. Seek medical attention.

Ingestion Harmful if swallowed. Ingestion may cause nausea and vomiting. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE FIGHTING MEASURES

Extinguishing media Use as appropriate: carbon dioxide (CO₂).
Cool fire exposed containers with waterspray, dry chemical, foam.

Fire hazards Flammable.

Protective equipment Wear self contained breathing apparatus and protective clothing.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Keep away from sources of ignition - No smoking. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

2-Ethoxyethanol	WEL 8-hr limit ppm: 10 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 37 WEL 15 min limit mg/m ³ : -
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Engineering measures	Ensure adequate ventilation of the working area.
Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.
Respiratory protection	Self-contained breathing apparatus.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Various.
Boiling point	135°C
Flash point	42°C
Explosive	Lower 1.8% Upper 14%
Vapour pressure	5.1 hPa @ 20°C
Relative density	0.93 g/mL @ 25°C
Water solubility	miscible in water.
Vapour density	3.11 (Air = 1)
Melting point	-90°C
Autoignition temperature	123°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	Heat, sparks and open flames. Air.
Materials to avoid	Oxidising agents. Copper and its alloys.
Hazardous decomposition products	Carbon oxides.

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11. TOXICOLOGICAL INFORMATION

Toxicological information

2-Ethoxyethanol
Oral Rat LD50 = 2125 mg/kg Dermal
Rabbit LD50 = 3300 mg/kg
Inhalation Rat LC50/7 h = 2000 ppm

Acute toxicity Harmful by inhalation, in contact with skin and if swallowed.
Corrosivity May cause irritation to respiratory system. May cause irritation to eyes. May cause irritation to skin.
Reproductive toxicity May impair fertility. May cause harm to the unborn child.

12. ECOLOGICAL INFORMATION

Mobility Soluble in water.

13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

ADR/RID

UN 1171 Packing group III
Class 3 Hazard ID 30
Proper Shipping Name ETHYLENE GLYCOL MONOETHYL ETHER .

IMDG

UN 1171 Packing group III
Class 3 Marine pollutant NO
EmS Code F-E S-D

IATA

UN 1171 Packing group III
Class 3 Subsidiary risk -
Packing Instruction 310 Maximum quantity 220 L
(Cargo)
Packing Instruction 309 Maximum quantity 60 L
(Passenger)

15. REGULATORY INFORMATION

Symbols T - Toxic



Risk phrases R10 - Flammable.
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
R60 - May impair fertility.
R61 - May cause harm to the unborn child.

Safety phrases S36/37 - Wear suitable protective clothing and gloves.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S53 - Avoid exposure - obtain special instructions before use.

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16. OTHER INFORMATION

Text of risk phrases in Section 3.	R10 - Flammable. R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R60 - May impair fertility. R61 - May cause harm to the unborn child.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.