

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product Code F161

Product Name DYMAFORCE

2 HAZARDS IDENTIFICATION

R38 Irritating to skin., R41 Risk of serious damage to eyes.

Classification Xi;R38,R41.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EINICS No.	CAS No.	Content	Classification
2-(2-BUTOXYETHOXY)ETHANOL	203-961-6	112-34-5	1 - 5%	Xi;R36
ALCOHOL ETHOXYLATE SURFACTANT			1 - 5%	Xn;R22. Xi;R41.
SODIUM HYDROXIDE	215-185-5	1310-73-2	1 - 5%	C;R35
SODIUM SILICATE	215-687-4	1344-09-8	1 - 5%	Xi;R38,R41.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION	Move the exposed person to fresh air at once., Rinse nose and mouth with water., Get medical attention if any discomfort continues.
INGESTION	Remove victim immediately from source of exposure., DO NOT INDUCE VOMITING!, Rinse mouth thoroughly., Drink plenty of water., Get medical attention.
SKIN CONTACT	Remove affected person from source of contamination., Remove contaminated clothing., Rinse with water., Get medical attention if any discomfort continues.
EYE CONTACT	Promptly wash eyes with plenty of water while lifting the eye lids., Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	This product is not flammable., Use fire-extinguishing media appropriate for surrounding materials., Use:, Dry chemicals, sand, dolomite etc., Foam., Water spray.
SPECIAL FIRE FIGHTING PROCEDURES	Use water to keep fire exposed containers cool and disperse vapours.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear necessary protective equipment., Stop leak if possible without risk., Absorb in vermiculite, dry sand or earth and place into containers., Flush with plenty of water to clean spillage area.
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7 HANDLING AND STORAGE

USAGE PRECAUTIONS	Avoid spilling, skin and eye contact.
USAGE DESCRIPTION	Store in tightly closed original container in a dry, cool and well-ventilated place., Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
2-(2-BUTOXYETHOXY)ETHANOL	WEL	10 ppm 67.5 mg/m3	15 ppm 101.2 mg/m3	
SODIUM HYDROXIDE	WEL		2 mg/m3	

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES	Provide adequate general and local exhaust ventilation.
HAND PROTECTION	For prolonged or repeated skin contact use suitable protective gloves.
EYE PROTECTION	Wear approved safety goggles.
OTHER PROTECTION	General workwear only

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, Liquid
COLOUR	Light (or pale), Amber
ODOUR	Almost odourless
BOILING POINT (°C)	> 100
RELATIVE DENSITY	1.058 - 1.068 @ 20 °c
pH-VALUE, CONC. SOLUTION	>12.0

SOLUBILITY Miscible with water.

10 STABILITY AND REACTIVITY

STABILITY Stable under normal temperature conditions.
HAZARDOUS DECOMPOSITION PRODUCTS Fire or high temperatures create:., Toxic gases/vapours/fumes of:., Carbon dioxide (CO2)., Carbon monoxide (CO).

11 TOXICOLOGICAL INFORMATION

INGESTION Gastrointestinal symptoms, including upset stomach., Diarrhoea.
SKIN CONTACT Liquid may irritate skin.
EYE CONTACT Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY Not classed as Hazardous to the Environment but release to the environment should be avoided.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

TRANSPORT LABELS

UN NO. ROAD 1760
UK ROAD CLASS 8
UK ROAD PACK GR. III
ADR CLASS Class 8: Corrosive substances.
PROPER SHIPPING NAME CORROSIVE LIQUID, NOS(sodium hydroxide)
UN NO. SEA 1760
IMDG CLASS 8
UN NO. AIR 1760
AIR CLASS 8

15 REGULATORY INFORMATION

LABELLING

RISK PHRASES Irritant (Xi)
R38 Irritating to skin., R41 Risk of serious damage to eyes.
SAFETY PHRASES S23 Do not breathe vapour/spray., S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice., S37/39 Wear suitable gloves and eye/face protection., S2 Keep out of the reach of children, S51 Use only in well-ventilated areas.
DETERGENT LABELLING < 5% Amphoteric surfactants
< 5% Non-ionic surfactants
STATUTORY INSTRUMENTS Chemicals (Hazard Information and Packaging) Regulations., Control of Substances Hazardous to Health.
APPROVED CODE OF PRACTICE Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES Workplace Exposure Limits EH40., CHIP for everyone HSG(108).

16 OTHER INFORMATION

GENERAL INFORMATION The following risk phrases relate to the raw materials in the product and not the product itself:-
REVISION DATE 31/01/2011
REV. NO./REPL. SDS GENERATED 8
RISK PHRASES IN FULL R35 Causes severe burns.| R36 Irritating to eyes.| R38 Irritating to skin., R41 Risk of serious damage to eyes.| R22 Harmful if swallowed., R41 Risk of serious damage to eyes.|