

SAFETY DATA SHEET
HYPALON 2 PART

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

PRODUCT NAME Hypalon 2 Part Glue
SUPPLIER IBS Boat Supplies
Fambridge Yacht Station
Ferry Lane
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EMERGENCY TELEPHONE 44 (0) 1621 744250 (Available 09.00 to 17.00)

2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R48/20. Repr. Cat. 3;R63. Xi;R36/38. F;R11. N;R51/53. R67.

Human health

Contains a substance/a group of substances which may cause harm to the unborn child. The product is irritating to eyes and skin.

Environment

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Physical and Chemical Hazards

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

2.2. Label elements

Contains

TOLUENE

Labelling



Harmful



Highly flammable



Dangerous for the environment

Risk Phrases

R11 Highly flammable
R36/38 Irritating to eyes and skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 Possible risk of harm to the unborn child.
R67 Vapours may cause drowsiness and dizziness.

Safety Phrases

S16 Keep away from sources of ignition - No smoking.
S24/25 Avoid contact with skin and eyes.

Highly flammable. Vapours may cause drowsiness and dizziness. Irritating to eyes and skin. Possible risk of harm to the unborn child.

Harmful: danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xn;R48/20. Repr. Cat. 3;R63. Xi;R36/38. F;R11. N;R51/53. R67.

[Type text]

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
BUTANONE	201-159-0	78-93-3	10-30%	F;R11 Xi;R36 R66 R67
HEXANE-norm	203-777-6	110-54-3	< 1%	F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67 N;R51/53
Naphtha(petroleum),Hydrotreated Light	265-151-9	64742-49-0	10-30%	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
TOLUENE	203-625-9	108-88-3	30-60%	F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67
ZINC OXIDE	215-222-5	1314-13-2	< 1%	N;R50/53.

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Get medical attention immediately! NOTE! Keep affected person away from heat, sparks and flames!

SKIN CONTACT

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

HIGHLY FLAMMABLE! Vapours are heavier than air and may spread near ground to sources of ignition.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Stop leak if possible without risk. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth and place into containers.

[Type text]

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Static electricity and formation of sparks must be prevented. Keep away from heat, sparks and open flame. Use explosion proof electric equipment. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANONE	WEL	200 ppm	600 mg/m3	300 ppm	899 mg/m3	
HEXANE-norm	WEL	20 ppm	72 mg/m3			
Naphtha(petroleum),Hydrotreated Light	WEL		1200 mg/m3			
TOLUENE	WEL	50 ppm(Sk)	191 mg/m3(Sk)	100 ppm(Sk)	384 mg/m3(Sk)	
ZINC OXIDE	WEL		5 mg/m3		10 mg/m3	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Explosion-proof general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke

[Type text]

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Amber.
Odour	of solvents
Relative density	0.892 20
Viscosity	2500-3300 cps 20
Flash point	- 10 CC (Closed cup).
Flammability Limit - Lower(%)	0.9
Flammability Limit - Upper(%)	11.5

9.1. Other information

Volatile By Vol. (%)	69.5
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10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat. Avoid contact with oxidisers or reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

INHALATION

Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness.

INGESTION

May cause stomach pain or vomiting.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating to eyes.

SPECIFIC EFFECTS

Contains a substance/a group of substances which may cause harm to the unborn child.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment if discharged into watercourses. The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

MOBILITY

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

BIOACCUMULATION

May accumulate in soil and water systems.

DEGRADABILITY

The product is expected to be biodegradable.

[Type text]

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME	ADHESIVES (ZINC OXIDE)		
UN NO. ROAD	1133	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	33	ADR LABEL NO.	3
HAZCHEM CODE	3YE	CEFIC TEC(R) NO.	30GF1-I+II, 30GF1-sp
RID CLASS NO.	3	RID PACK GROUP	II
UN NO. SEA	1133	IMDG CLASS	3
IMDG PAGE NO.	3	IMDG PACK GR.	II
EMS	F-E, S-D	MFAG	See Guide
UN NO. AIR	1133	AIR CLASS	3
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING



Harmful



Highly Flammable



Dangerous for the environment

CONTAINS

TOLUENE

UK REGULATORY REFERENCES

RISK PHRASES

R11 Highly flammable.

R36/38 Irritating to eyes and skin.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

[Type text]

- R63 Possible risk of harm to the unborn child.
R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

- S16 Keep away from sources of ignition - No smoking.
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.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.
S57 Use appropriate containment to avoid environmental contamination.

Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972.

ENVIRONMENTAL LISTING

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980. EU

DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

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. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16 OTHER INFORMATION

INFORMATION SOURCES

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE JANUARY 2010

RISK PHRASES IN FULL

- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R 6 5 Harmful: may cause lung damage if swallowed.
R11 Highly flammable. Irritating to eyes & skin.
R36/38 Possible risk of harm to the unborn child.
R62 Possible risk of impaired fertility.
R66 Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment