

**HYPALON TOLUENE  
FREE ADHESIVE  
SAFETY DATA SHEET**

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product name: HYPALON TOLUENE FREE ADHESIVE

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of substance / mixture: PC1: Adhesives, sealants.

**1.3. Details of the supplier of the safety data sheet**

Company name: IBS Boat  
Supplies  
Ferry Rd  
NFambridge  
Essex CM3  
6LS  
T: 01621 744250  
F: 01621 744570  
Email: info@ibs-boats.com

**1.4. Emergency telephone number**

Emergency tel: 01621 744250

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

Classification under CHIP: F: R11; Xi: R36/38; N: R51/53; -: R66; -: R67  
Classification under CLP: Flam. Liq. 1: H224; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; Skin Irrit. 2: H315; STOT SE 3: H336

Most important adverse effects: Highly flammable. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**2.2. Label elements:**

Label elements under CLP:  
Hazard statements: H224: Extremely flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H336: May cause drowsiness or dizziness.  
H411: Toxic to aquatic life with long lasting effects.  
Signal words: Danger  
Hazard pictograms: GHS02: Flame  
GHS08: Health hazard  
GHS07: Exclamation mark  
GHS09: Environmental



Precautionary statements: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P241: Use explosion-proof electrical/ventilating/lighting equipment.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.  
Rinse skin with water/shower.  
P405: Store locked up.  
P501: Dispose of contents/container to specialised waste company.

Label elements under CHIP:

Hazard symbols:

Highly flammable.  
Irritant.  
Dangerous for the environment.



Risk phrases:

R11: Highly flammable.  
R36/38: Irritating to eyes and skin.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

Safety phrases:

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.  
S2: Keep out of the reach of children.  
S29: Do not empty into drains.  
S16: Keep away from sources of ignition - No smoking.  
S33: Take precautionary measures against static discharges.  
S23: Do not breathe vapour.  
S51: Use only in well-ventilated areas.  
S24/25: Avoid contact with skin and eyes.  
S46: If swallowed, seek medical advice immediately and show this container or label.

Precautionary phrases:

Restricted to professional users.

### 2.3. Other hazards

Other hazards:

In use, may form flammable / explosive vapour-air mixture.

PBT:

This product is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

Hazardous ingredients:

ETHYL METHYL KETONE - REACH registered number(s): 01-2119457290-43

EINECS CAS	CHIP Classification	CLP Classification	Percent	
201-159-0	78-93-3	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	10-30%
CYCLOHEXANE				
203-806-2	110-82-7	F: R11; Xi: R38; Xn: R65; -: R67; N: R50/53	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	10-30%
ACETONE				
200-662-2	67-64-1	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	10-30%
LOW BOILING POINT NAPHTHA - UNSPECIFIED - NAPHTHA (PETROLEUM), HYDRODESULPHURIZED LIGHT, DEAROMATIZE				
295-434-2	92045-53-9	Xn: R65; F+: R12; Xi: R38; N: R51/53	Asp. Tox. 1: H304; Flam. Liq. 1: H224; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	1-10%

## Section 4: First aid measures

### 4.1. Description of first aid measures

Skin contact:	Remove from skin with paper or towel. Wash effected area thoroughly with soap and water. Seek medical advice if symptoms persist.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment:	Eye bathing equipment should be available on the premises.
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## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

Extinguishing media:	Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.
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### 5.2. Special hazards arising from the substance or mixture

Exposure hazards:	Highly flammable. In combustion emits toxic fumes. Forms explosive air vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.
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### 5.3. Advice for fire-fighters

Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions:	Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.
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### 6.2. Environmental precautions

Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
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### 6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

#### 6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of mists in the air.  
Smoking is forbidden. Use non-sparking tools.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.

Suitable packaging: Ensure lighting and electrical equipment are not a source of ignition. Must only be kept in original packaging.

#### 7.3. Specific end use(s)

Specific end use(s): No data available.

### Section 8: Exposure controls/personal protection

#### 8.1. Control Parameters

Workplace exposure limits:		Respirable dust		
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	200ppm	200ppm	-	-

Hazardous ingredients:

ETHYL METHYL KETONE

Workplace exposure limits:		Respirable dust		
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	600 mg/m <sup>3</sup>	899 mg/m <sup>3</sup>	-	-

CYCLOHEXANE

UK	350 mg/m <sup>3</sup>	1050 mg/m <sup>3</sup>	-	-
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ACETONE

UK	1210 mg/m <sup>3</sup>	3620 mg/m <sup>3</sup>	-	-
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#### 8.1. DNEL/PNEC Values

DNEL / PNEC: No data available

#### 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.  
Respiratory protection: If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used.

Hand protection: Avoid skin contact. For repeated exposure use Viton or 4H chemical gloves. For low exposure use nitrile gloves. The user has a legal duty to carry out a COSHH risk assessment to determine the correct glove.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Environmental: No special requirement.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Off-white
Odour:	Characteristic odour
Evaporation rate:	Fast
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Insoluble
Viscosity:	Viscous
Viscosity test method:	Flow time in seconds in a 3 mm ISO cup (ISO 2431)
Boiling point/range°C:	56
Flammability limits %: lower:	0.6
upper:	13 Flash point°C: -35
Autoflammability°C:	200
Vapour pressure:	240mbar
Relative density:	0.82

## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg
VAPOURS	RAT	4H LC50	>5	mg/l

Hazardous ingredients:

CYCLOHEXANE				
ORL	MUS	LD50	813	mg/kg
ORL	RAT	LD50	12705	mg/kg
ACETONE				
IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

## Symptoms / routes of exposure

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.
Other information:	Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

Ecotoxicity values:			
Species	Test	Value	Units
ALGAE	96H LC50	>1-10	mg/l
FISH	96H LC50	>1-10	mg/l

### 12.2. Persistence and degradability

Persistence and degradability: Biodegradable in part only.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

### 12.4. Mobility in soil

Mobility: Volatile.

### 12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance.

### 12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

Disposal operations:	Wet waste: Arrange for disposal by a licenced waste disposal company
Recovery operations:	Not applicable.
Disposal of packaging:	Arrange for disposal by a licenced waste disposal company
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

UN number: UN1133

### 14.2. UN proper shipping name

Shipping name: ADHESIVES

### 14.3. Transport hazard class(es)

Transport class: 3

### 14.4. Packing group

Packing group: II

### 14.5. Environmental hazards

Environmentally hazardous: Yes  
 Marine pollutant: No

## 14.6. Special precautions for user

Special precautions: No special precautions.  
Tunnel code: D/E  
Transport category: 2

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: This product is classified as a mixture. CLP classification for information only.

### 15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3: \* indicates text in the SDS which has changed since the last revision.  
EUH066: Repeated exposure may cause skin dryness or cracking.  
H224: Extremely flammable liquid and vapour.  
H225: Highly flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
H410: Very toxic to aquatic life with long lasting effects.  
H411: Toxic to aquatic life with long lasting effects.  
R11: Highly flammable.  
R12: Extremely flammable.  
R36/38: Irritating to eyes and skin.  
R36: Irritating to eyes.  
R38: Irritating to skin.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
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.  
Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.