



## SAFETY DATA SHEET

### THF FREE SOLVENT CEMENT

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME	THF FREE SOLVENT CEMENT
PRODUCT NO.	431964
SUPPLIER	Hunter Plastics Ltd Dickley Lane Lenham, Maidstone Kent ME17 2DE +44 (0)1622 852798 marketing@hunterplastics.co.uk

#### 2 HAZARDS IDENTIFICATION

Vapours are heavier than air and can travel long distances to a source of ignition Pilot lights can ignite the vapour

CLASSIFICATION (1999/45) Xi;R36. F;R11. R66, R67.

CLASSIFICATION (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 2 - H225
Human health	EUH066;Eye Irrit. 2 - H319;STOT SE 3 - H336
Environment	Not classified.

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Danger

HAZARD STATEMENTS

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P502	Dispose of contents/container to hazardous or special waste collection point

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.

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P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P337	If eye irritation persists:
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

### Supplemental Label Information (EU)

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH205	Contains epoxy constituents. May produce an allergic reaction.
EUH208	Contains BISPHENOL A-EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700). May produce an allergic reaction.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

BISPHENOL A-EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700)		< 1%
CAS-No.: 25068-38-6	EC No.: 500-033-5	Registration Number: 05-2114287500-52
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R36/38. N;R51/53. R43.	
BUTANONE		60-100%
CAS-No.: 78-93-3	EC No.: 201-159-0	Registration Number: 01-2119457290-43
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	
CYCLOHEXANONE		5-10%
CAS-No.: 108-94-1	EC No.: 203-631-1	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H332	Classification (67/548/EEC) R10 Xn;R20	

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

### 4 FIRST-AID MEASURES

#### INHALATION

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention.

#### INGESTION

DO NOT induce vomiting. Get medical attention immediately.

#### SKIN CONTACT

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Wash skin with soap and water. Get medical attention if irritation persists after washing.

#### EYE CONTACT

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

### 5 FIRE-FIGHTING MEASURES

REVISION DATE October 2013

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## EXTINGUISHING MEDIA

Fire can be extinguished using: Powder. Foam.

## SPECIAL FIRE FIGHTING PROCEDURES

Not known.

## UNUSUAL FIRE & EXPLOSION HAZARDS

Generates massive smoke during fire. Vapours are heavier than air and may spread near ground to sources of ignition. **HIGHLY FLAMMABLE!** Risk of explosion in closed containers if pressure rises rapidly. Solvent vapours may form explosive mixtures with air.

## SPECIFIC HAZARDS

Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Avoid contact with skin and eyes. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet.

### ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains. Avoid discharge into water courses or onto the ground.

### SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Runoff or release to sewer, waterway or ground is forbidden. Absorb with sand or other inert absorbent. Collect with absorbent, non-combustible material into suitable containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

### STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Store at moderate temperatures in dry, well ventilated area.

### STORAGE CLASS

Flammable liquid storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANONE	WEL	200 ppm(Sk)	600 mg/m <sup>3</sup> (Sk)	300 ppm(Sk)	899 mg/m <sup>3</sup> (Sk)	
CYCLOHEXANONE	WEL	10 ppm(Sk)		20 ppm(Sk)		

WEL = Workplace Exposure Limit.

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Explosion-proof general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

Respiratory protection must be used if air contamination exceeds acceptable level. Wear mask supplied with: Gas cartridge suitable for organic substances.

### HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile. Use thin cotton gloves inside the rubber gloves if allergy risk.

### EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

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## OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

## HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
ODOUR	Characteristic.
RELATIVE DENSITY	0.90
FLASH POINT (°C)	-4

## 10 STABILITY AND REACTIVITY

### STABILITY

Avoid Heat, sparks, flames.

### CONDITIONS TO AVOID

Not known.

### HAZARDOUS POLYMERISATION

Unknown.

### MATERIALS TO AVOID

Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

Drowsiness, dizziness, disorientation, vertigo. Gas or vapour may irritate respiratory system.

### INGESTION

Pneumonia may be the result if vomited material containing solvents reaches the lungs.

### SKIN CONTACT

Prolonged contact may cause dryness of the skin. May cause skin irritation/eczema.

### EYE CONTACT

Irritating to eyes. Irritation, burning, lachrymation, blurred vision after liquid splash.

### HEALTH WARNINGS

Defats the skin. Prolonged or repeated exposure may cause severe irritation.

### MEDICAL CONSIDERATIONS

Skin disorders and allergies.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment. However, contamination of the aquatic or terrestrial environments should be avoided

### MOBILITY

Semi-mobile.

### BIOACCUMULATION

No data available on bioaccumulation.

### DEGRADABILITY

There are no data on the degradability of this product.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

Recover and reclaim or recycle, if practical.

### WASTE CLASS

Classified as Special Waste. Not permitted for landfill in liquid state.

## THF FREE SOLVENT CEMENT

### 14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	ADHESIVES
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO. ROAD	1133
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	33
ADR LABEL NO.	3
HAZCHEM CODE	•3YE
UN NO. SEA	1133
IMDG CLASS	3
IMDG PACK GR.	III
EMS	F-E, S-D
UN NO. AIR	1133
AIR CLASS	3
AIR PACK GR.	III

### 15 REGULATORY INFORMATION

#### EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

#### STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). 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). Introduction to Local Exhaust Ventilation HS(G)37.

### 16 OTHER INFORMATION

#### GENERAL INFORMATION

This product should be used as directed by Hunter Plastics Ltd. For further information consult the product data sheet or contact Technical Services.

#### INFORMATION SOURCES

This safety data sheet was compiled using current safety information supplied by distributor of raw materials.

#### REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision. This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Hunter Plastics Limited.

REVISION DATE October 2013

## THF FREE SOLVENT CEMENT

DATE July 2013

### RISK PHRASES IN FULL

R10	Flammable.
R20	Harmful by inhalation.
R11	Highly flammable
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
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.

### HAZARD STATEMENTS IN FULL

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
H411	Toxic to aquatic life with long lasting effects.