

REVISION DATE: 24th August 2007

Hexane

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

SPECIFIC HAZARDS

Oxides of: Carbon.

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

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Provide good ventilation.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
CYCLOHEXANE	WEL	100 ppm	350 mg/m3	300 ppm	1050 mg/m3
HEXANE-norm	WEL	20 ppm	72 mg/m3		

PROTECTIVE EQUIPMENT



RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Liquid

COLOUR

Colourless

ODOUR
Hydrocarbon

SOLUBILITY

Insoluble in water

BOILING POINT (°C)

65 - 77

MELTING POINT (°C)

-60

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VAPOUR PRESSURE	17.6 kPa 20	EVAPORATION RATE	14
FLASH POINT (°C)	-18	AUTO IGNITION TEMPERATURE (°C)	280
FLAMMABILITY LIMIT - LOWER(%)	1.2	FLAMMABILITY LIMIT - UPPER(%)	8.3

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon.

11 TOXICOLOGICAL INFORMATION

INHALATION

Irritating to respiratory system. Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

INGESTION

May cause discomfort if swallowed. Irritating. May be absorbed in the body and cause dizziness, nausea and vomiting.

SKIN CONTACT

Prolonged contact may cause dryness of the skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

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

MOBILITY

The product is insoluble in water.

DEGRADABILITY

The product is easily biodegradable.

ACUTE FISH TOXICITY

Very toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

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UK ROAD CLASS	3			
PROPER SHIPPING NAME	HEXANES			
UN	1208	NO.	UK ROAD PACK GR.	ROAD
ADR CLASS NO.	3		ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II		HAZARD No. (ADR)	33
ADR LABEL NO.	3		HAZCHEM CODE	3YE
CEFIC TEC(R) NO.	30GF1-I+II		RID CLASS NO.	3
RID PACK GROUP	II		UN NO. SEA	1208
IMDG	3		IMDG PACK GR.	CLASS
EMS	F-E, S-D		MFAG	See Guide
MARINE POLLUTANT	No.		UN NO. AIR	1208
AIR	3		AIR PACK GR.	CLASS

15 REGULATORY INFORMATION

LABELLING



Harmful



Highly Flammable



Dangerous for the environment

CONTAINS

HEXANE-norm
Mixture of Hexane Isomers

RISK PHRASES

R11	Highly flammable.
R38	Irritating to 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.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S24	Avoid contact with skin.
S36/37	Wear suitable protective clothing and gloves.
S51	Use only in well-ventilated areas.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. DSEAR

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16 OTHER INFORMATION

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REV. NO./REPL. SDS GENERATED 05

SDS NO. H408

SAFETY DATA SHEET STATUS

Approved.

DATE 26th June 2007

SIGNATURE Jitendra Panchal

RISK PHRASES IN FULL

R11 Highly flammable.

R38 Irritating to skin.

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

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.

R62 Possible risk of impaired fertility.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.