



SAFETY DATA SHEET

Acetone

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

PRODUCT NAME Acetone
 PRODUCT NO. ACETBUL
 APPLICATION Industrial solvent.
 SUPPLIER
 SHL Manufacturing Limited
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EMERGENCY TELEPHONE 01258 858130

2 HAZARDS IDENTIFICATION

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

CLASSIFICATION (EC 1272/2008)

Physical	Flam. Liq. 2 - H225
Health	EUH066;Eye Irrit. 2 - H319;STOT Single 3 - H336
Environmental	Not classified.

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



SIGNAL WORD Danger

HAZARD STATEMENTS

EUH066	Repeated exposure may cause skin dryness or cracking.
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.
P261e	Avoid breathing vapours.
P280a	Wear protective gloves.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P370/378A	In case of fire: Use foam, carbon dioxide, dry powder or other inert material for extinction. Do not use high pressure water jet as this may spread burning material.
P501D	Empty containers may contain residual product and vapours. Do not cut or weld on or near empty containers. Disposal should only be by means of a licensed waste disposal contractor.

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P243	Take precautionary measures against static discharge.
P271	Use only outdoors or in a well-ventilated area.

Acetone

P303/361/353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403/233/235	Store in a well-ventilated place. Keep container tightly closed, Keep cool.

3 COMPOSITION/INFORMATION ON INGREDIENTS

ACETONE		>98%
CAS-No.: 67-64-1	EC No.: 200-662-2	
CLASSIFICATION (EC 1272/2008)	CLASSIFICATION (67/548)	
Flam. Liq. 2 - H225	F;R11	
EUH066	Xi;R36	
Eye Irrit. 2 - H319	R66	
STOT Single 3 - H336	R67	

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove affected person from source of exposure. Provide fresh air, first-aid, warmth and rest.
Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

INHALATION

If unconscious or breathing is irregular place on their side in the recovery position and ensure their airways are clear.
Artificial respiration may be administered by suitably qualified first-aiders if the patient is unconscious or breathing is difficult.

Get immediate medical attention.

INGESTION

If swallowed do NOT induce vomiting.
Never give anything by mouth to an unconscious person. Rinse mouth thoroughly and seek medical attention if discomfort persists. Keep patient under observation.

SKIN CONTACT

Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Launder clothing before re-use.

EYE CONTACT

Check for contact lenses which must be removed from the eyes before rinsing.
Promptly rinse eyes with plenty of clean water while lifting the eyelids.
Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.
Get medical attention if any discomfort or irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder, sand, dolomite or other inert material. Do not use high pressure water jet as this may spread burning material.

SPECIFIC HAZARDS

In fire conditions this product may evolve gaseous oxides of carbon and nitrogen as well as giving off intense heat.
Burning material gives off dense smoke and fumes which may contain other toxic and harmful gases. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing (see Section 8).

Acetone

ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

SPILL CLEAN UP METHODS

Keep combustibles away from spilled material. Absorb in vermiculite, sand, diatomaceous earth or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Use only with adequate ventilation. Do not breathe vapour or mist.

Keep away from heat, sparks or flame. Containers and equipment must be bonded to avoid static discharge. Use only electrical equipment suitable for explosive atmospheres. Avoid spilling, skin and eye contact. Wash thoroughly after handling.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep away from food, drink and animal feeding stuffs.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	

WEL = Workplace Exposure Limit.

STD

WEL = Workplace Exposure Limits

PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

If ventilation is insufficient suitable respiratory protection must be provided.
Seek recommendations and advice from equipment manufacturer or supplier.

HAND PROTECTION

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. Suitable gloves may include - Neoprene, nitrile, polyethylene or PVC. After using gloves the hands should be washed and dried thoroughly and a suitable moisturiser applied.

EYE PROTECTION

Wear tightly fitting safety goggles conforming to EN166 Contact lenses should not be worn when working with this chemical!

OTHER PROTECTION

Provide eyewash station and safety shower. Minimise all forms of skin contact. Overalls and footwear with oil and chemical resistant soles should be worn. Launder overalls and undergarments regularly.

HYGIENE MEASURES

Do not eat drink or smoke when using this product. (P270) Wash hands thoroughly after handling. (P264) Contaminated work clothes should be removed and laundered before re-use.

SKIN PROTECTION

Avoid prolonged and/or repeated contact with skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Colourless
ODOUR	Characteristic
VOLATILITY DESCRIPTION	Highly volatile.
SOLUBILITY	Completely miscible with water.

Acetone

BOILING POINT (°C)	56°C	MELTING POINT (°C)	-95°C
RELATIVE DENSITY	0.79 @ 20°C	VAPOUR PRESSURE	240 mbar 20°C
VOLATILE BY VOL. (%)	100	VISCOSITY	0.316 mPas 25°C
FLASH POINT (°C)	<-18°C	AUTO IGNITION	540°C
FLAMMABILITY LIMIT - LOWER(%)	2.2	TEMPERATURE (°C)	
PARTITION COEFFICIENT (N-Octanol/Water)	-0.24	FLAMMABILITY LIMIT - UPPER(%)	12.8
		VOLATILE ORGANIC COMPOUND (VOC)	100 % (EC/1999/13)

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions of storage and use. See section 7.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Strong oxidising agents, acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 5800 mg/kg (oral rat)

TOXIC DOSE 2 - LD 50 2000 mg/kg (dermal-rbt)

INHALATION

Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

SKIN CONTACT

Can cause de-fatting and dryness of skin, leading to cracking and eczema. Unlikely to cause harm on brief or occasional contact, but prolonged or repeated exposure may lead to dermatitis.

ROUTE OF ENTRY

Inhalation. Skin absorption.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

This preparation is readily biodegradable and is not expected to be hazardous to the environment.

MOBILITY

Contamination will evaporate from the surface of water and soils.

BIOACCUMULATION

The product is not bioaccumulating.

DEGRADABILITY

The product is easily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Empty but unlaundered containers must be treated in the same manner as when full; labels should not be removed.

DISPOSAL METHODS

Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

14 TRANSPORT INFORMATION



Acetone

UK ROAD CLASS	3		
PROPER SHIPPING NAME	ACETONE		
UN NO. ROAD	1090	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	•2YE	CEPIC TEC(R) NO.	30GF1-I+II
RID CLASS NO.	3	RID PACK GROUP	II
UN NO. SEA	1090	IMDG CLASS	3
IMDG PACK GR.	II	EMS	F-E, S-D
UN NO. AIR	1090	AIR CLASS	3
AIR PACK GR.	II		

15 REGULATORY INFORMATION

EU DIRECTIVES

Dangerous Substances Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

System of specific information relating to Dangerous Preparations. 2001/58/EC.

EC Regulation 1907/2006 (as amended) : 'REACH'.

Directive 2006/121/EC. (Classification, packaging and labelling of dangerous substances in order to adapt it to Regulation (EC) No 1907/2006).

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Environmental Protection (Duty of Care) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION COMMENTS

Comprehensive revision.

GHS information added.

REVISION DATE 11-Nov-10 - Rec 01: 0718

SDS NO. 0718

RISK PHRASES IN FULL

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

HAZARD STATEMENTS IN FULL

H319 Causes serious eye irritation.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.