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Acetone

1. Identification of the Substance/Preparation and the Company/Undertaking

Trade Name:	Supplier:	Manufacture
Acetone	Alfa Laval Tumba AB Hans Stahles väg	Corrocoat Limited Forster Street
Product Type:	SE-147 80 Tumba Sweden	Leeds UK
Solvent	Tel: +46 8 5306 5000 Fax: +46 8 5306 5259	
e-mail:	sds.question@alfalaval.com	
Emergency number: +46 8 33 70 43 (24h)		

2. Hazards Identification

Health	Irritating to eyes. Repeated exposure may cause skin dryness or cracking, vapours may cause dizziness or dizziness.
Environment	Prevent discharge of product to sewers, surface or ground water and soil.
Fire	The product is extremely flammable.

3. Composition/Information on Ingredients

Components	Weight-%	CAS No	EC No	Symbol	EEC-classification
Acetone	100	67-64-1	200-662-2	F, Xi	R11-36-66-67

See section 16 for explanations to R-phrases.

4. First Aid Measures

First aid – Eyes	Flush immediately with plenty of water (20-30°C) for least 10 minutes and get immediate medical attention.
First aid – Skin	Remove contaminated clothing - launder before re-use. Wash thoroughly with soap and water. If irritation persists seek medical advice.
First aid – Ingestion	Do not induce vomiting. Wash out mouth and spit out liquid. Get medical attention.
First aid – Inhalation	Move to fresh air. Oxygen or artificial respiration if there is difficulty in breathing. Seek medical advice if difficulties persist.

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5. Fire-Fighting Measures

Information	The product is extremely flammable
Extinguishing media	Chemical foam, dry chemicals, water spray or carbon dioxide.
Special fire fighting procedures	Wear self-contained breathing apparatus.
Combustion products	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion for example COx.
Specific danger	Vapors can spread along the ground and collect in low or confined areas. Vapors may form explosive mixtures with air and may explode in case of fire.

6. Accidental Release Measures

Personal precautions	Wear appropriate protective clothing to minimize contact with skin. Provide ventilation .Wear protective equipment see section 8.
Environmental precautions	Prevent discharge of product to sewers, surface or ground water and soil.
Spillage	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. See section 13 for disposal. A void runoff into storm sewers and ditches which lead to waterways.

7. Handling and Storage

Handling	Adequate ventilation is required in the working area. Use safety equipments recommended in section 8. Close container after use.
Fire precautions	Remove all ignition sources, no smoking. Ensure spray pumps are earthed prior use. Close container after use.
Storage	Store in a cool, dry, well-ventilated area in a closed container. Away from incompatible substances, sun, heat and ignition sources. Flammables-area

8. Exposure Controls/Personal Protection

The product contains hazardous ingredients. The Occupational Exposure Limits (OEL) established by the Health & Safety Executive are as follows:

Substance	Exposure limit 8 hours	Exposure limit 15 min
Acetone	500 ppm	1,500 ppm

Note: Exposure limits quoted are UK limits and may vary depend upon location.

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Respiratory protection	Respiratory protection must be worn in areas of poor ventilation. The use of air fed mask is recommended. Local exhaust ventilation may be used to keep exposure below WEL
Hand protection	Solvent resistant gloves (butyl rubber , PTFE)
Eye protection	Wear chemical goggles and/or a face shield.
Skin protection	Cotton overalls.
Other	Use only non-sparking tools and equipment.

9. Physical and Chemical Properties

Appearance	Clear, liquid	
Smell	Characteristic odour of Acetone	
Boiling point	56.2°C	
Flash point	-17 °C	
Auto Ignition temperature	500 °C	
Explosion/Flammability liquid in Air	Lower Explosion limit	3.0% by volume
	Upper Explosion limit	11.0% by volume
Vapour pressure	246.4mbar	
Density	0,8 gms/cm3	
Solubility in water	Soluble	
Solubility in Organics	Soluble in almost all aromatic and aliphatic solvents	
Percentage volatile by volume	100%	

10. Stability and Reactivity

Stability	Stable under normal storage conditions, avoid ignition sources. For more information see section 7.
Unstable with	Organic peroxides and oxidising agents.
Condition to avoid	Heat, ignition and sunlight.

11. Toxicological Information

Acute information

Ingestion	LD50 oral rat>5800mg/kg
Skin	LD50 dermal rabbit> 20000mg/kg
Inhalation	LD50 inhalation rat 4h>76mg/l
Effects	Irritating to skin, moderately irritating to eyes and irritating to the respiratory and digestive tracts. May be absorbed through the skin, may cause systemic effects. Inhalation of vapours or ingestion of liquid may cause narcosis.

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12. Ecological Information

Biodegradability	Materials are readily biodegradable and pass closed bottle test.
LC50 fish 96 h	5500 mg/l
EC50 Daphnia 48h	10 mg/l
Aquatic toxicity	Insignificant
Environmental impact	May cause oxygen depletion of surface layer in aquatic environment

13. Disposal Considerations

Dispose of waste in accordance with local regulations. Normally this would involve incineration of liquid waste and controlled landfill for polymerised matter.

14. Transport Information

ADR/ADR-S/ RID/RID-S	UN-No: 1090 Proper shipping name: Acetone Class:3 Packaging group: II
IMDG-code	UN-No: 1090 Proper shipping name: Acetone Class:3 Packaging group: II Marine pollutant: No
IATA	UN-No: 1090 Proper shipping name: Acetone Class:3 Packaging group: II

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15. Regulatory Information

Symbol(s) Xi, F



Irritant



Flammable

R-phrases

R11 Highly flammable
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapors may cause drowsiness and dizziness.

S-phrases

S9 Keep container in a well-ventilated place
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe fumes or vapor.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33 Take precautionary measures against static discharge.

16. Other Information

Explanations to R-phrases in section 3

R11 Highly flammable
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapors may cause drowsiness and dizziness.

See also product label for product applications.

Classification according to directive 1272/2008/EC

Pictograms GHS07
GHS02



Signal word

Danger

Hazard statement

Highly flammable liquid and vapor.
Causes serious eye irritation
May cause drowsiness or dizziness.

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Supplemental hazard information	Repeated exposure may cause skin dryness and cracking	
Classification	Flammable liquid category 2 Eye irritation category 2	
Precautionary statements- Prevention	Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed Use explosion-proof electrical/ventilating/lightning/equipment. Ground/bond container and receiving equipment. Wear protective gloves of butyl rubber or PTFE/protective clothing/eye protection/face protection	
Precautionary statements - response	Skin:	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
	Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Fire	Chemical foam, dry chemicals, water spray or carbon dioxide
Precautionary statements –storage	Store in a well-ventilated place. Keep cool.	
Precautionary statements -disposal	Dispose of contents/container in accordance with local/regional/international regulations.	

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