

SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Aceton/Aceton/Acetone

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Substance name Aceton/Aceton/Acetone
EC-No. : 200-662-2
CAS-No. : 67-64-1
Synonyms : 2-Propanone

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

Main use category : Professional use
Use of the substance/mixture : Electronics chemical

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Sunchem AB
Box 69
S-433 21 Partille Sweden
T +46 31 447310 - F +46 31 449581
[E-mail: d.s@sunco.se](mailto:d.s@sunco.se)

Manufacturer

Sunchem AB
Box 69
S-433 21 Partille Sweden
T +46 31 447310 - F +46 31 449581
[E-mail: d.s@sunco.se](mailto:d.s@sunco.se)

Contact person : Dick Sundström

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225
Eye Irrit. 2 H319
STOT SE 3 H336

Full text of H statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]



Hazard pictograms (CLP) :

GHS02 GHS07

Signal word (CLP) : Danger

Contains: Acetone 100%

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P403+P235 - Store in a well-ventilated place. Keep cool.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Other hazards not contributing to the : None under normal conditions.

classification

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

CAS-No. : 67-64-1

EC-No. : 200-662-2

Name	Product identifier	%
acetone; propan-2-one; propanone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	100

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Artificial respiration if indicated. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : Immediately remove contaminated clothing. Wash with plenty of soap and water. Apply emollient cream.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

First-aid measures after ingestion : Do NOT induce vomiting. Rinse nose, mouth and throat with water. Drink a few glasses of

water or milk. Do not give victim anything to drink if he is unconscious. Contact physician if larger quantity has been consumed. Call a POISON CENTER/doctor if you feel unwell.

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

Symptoms/effects after inhalation : High concentration of vapours may induce: headache, nausea, dizziness.

Symptoms/effects after skin contact : May cause skin dryness or cracking.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Ingestion may cause nausea, vomiting and diarrhea.

4.3. Indication of any immediate medical attention and

special treatment needed No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. dry chemical powder, alcoholresistant foam, carbon dioxide (CO₂), water spray, sand, earth.

Unsuitable extinguishing media : Avoid water in straight hose stream; will scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour. Vapours are heavier than air and spread above ground.

Hazardous decomposition products in case of : Carbon dioxide (CO₂).
Carbon monoxide (CO). fire

5.3. Advice for firefighters

Firefighting instructions : Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers.

Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes. No open flames. No smoking. Do not breathe vapour.

For non-emergency personnel

Protective equipment : Wear appropriate personal protective equipment - see Section 8.

Emergency procedures For : Ventilate spillage area. No open flames, no sparks, and no smoking.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Dispose of at a licensed waste collection centre.

Methods for cleaning up : Mechanically recover the product. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Section 8 for information on personal protection equipment. See section 13 for waste handling.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Additional hazards when processed : Flammable liquid storage.
- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Use explosion-proof equipment. Wear appropriate personal protective equipment - see Section 8.
- Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, any incompatibilities including

- Technical measures : Ground/bond container and receiving equipment. Take precautionary measures against static discharge.
- Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool. Flammable liquid storage. Keep only in original container. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Storage temperature : < 35 °C
- Packaging materials : stainless steel.

7.3. Specific end use(s)

No additional data.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

acetone; propan-2-one; propanone (67-64-1)		
United Kingdom	Local name	Acetone
United Kingdom	WEL TWA (mg/m ³)	1210 mg/m ³
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m ³)	3620 mg/m ³
United Kingdom	WEL STEL (ppm)	1500 ppm

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

- Hand protection : For prolonged or repeated skin contact use suitable protective gloves. Butyl rubber. Breakthrough time : 6 (> 480 minutes). 6 (> 480 minutes). Layer thickness : 0,2 - 0,4 mm. STANDARD EN 374.
- Eye protection : Use splash goggles when eye contact due to splashing is possible. STANDARD EN 166.
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Use respiratory equipment with gas filter, type AX. Standard EN 149.

Thermal hazard	: Highly flammable liquid and vapour.
Environmental exposure controls	Avoid release to the environment.
Other information	: Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: 5.6
Melting point	: -95 °C
Freezing point	: No data available
Boiling point	: 56 °C
Flash point	: -20 °C CC - Closed cup
Auto-ignition temperature	: 540 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 23.3 kPa @ 20 °C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.8 g/m ³ @ 20 °C
Solubility	: In water, material soluble. Soluble in: Fat (Lipids).
Log Pow	: No data available
Viscosity, kinematic	: 0.33 cSt
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Flammable liquid and vapour.

Explosive limits : 2.5 - 13 vol %

9.2. Other information

Highly flammable liquid and vapour.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity : Not classified

Based on available data, the classification criteria are not met

acetone; propan-2-one; propanone (67-64-1)	
LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	20000 mg/kg
LC50 inhalation rat (mg/l)	76 mg/l
LC50 inhalation rat (Vapours - mg/l/4h)	76 mg/l/4h

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met

Acetone (67-64-1)	
Viscosity, kinematic	0.33 mm ² /s

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

acetone; propan-2-one; propanone (67-64-1)	
LC50 fish 1	635 mg/l (96 hours - Pimephales promelas)
EC50 Daphnia 1	10 mg/l (48 hours - Daphnia magna)

12.2. Persistence and degradability

Acetone (67-64-1)	
Persistence and degradability	Readily biodegradable.
acetone; propan-2-one; propanone (67-64-1)	
Persistence and degradability	Biodegradable.
BOD (% of ThOD)	0.96 % ThOD BOD5/COD
Biodegradation	< 78 % (OECD 301B method)

12.3. Bioaccumulative potential

Acetone (67-64-1)	
Bioaccumulative potential	No bioaccumulation.
acetone; propan-2-one; propanone (67-64-1)	
Bioconcentration factor (BCF REACH)	0.69
Log Pow	-0.27

12.4. Mobility in soil

Acetone (67-64-1)	
Ecology - soil	The product is volatile and will evaporate quickly. soluble in water.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Other adverse effects : None to our knowledge.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Regional legislation (waste) : Dispose as hazardous waste.

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.






Additional information

: The given LoW-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.
Flammable vapours may accumulate in the container.

European List of Waste (LoW) code: 07 06 04* - other organic solvents, washing liquids and mother liquors
16 05 07* - discarded inorganic chemicals consisting of or containing dangerous substances

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1090	1090	1090	1090	1090
14.2. UN proper shipping name				
ACETONE	ACETONE	Acetone	ACETONE	ACETONE
Transport document description				
desc				
UN 1090 ACETONE, 3, II, (D/E)	UN 1090 ACETONE, 3, II			
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport : 1l
Limited quantities (ADR) : E2
Excepted quantities (ADR) : 33
Hazard identification number (Kemler No.) : **33**
Orange plates : **1090**
: •2YE

EAC code : 1 L

- Transport by sea : E2
Limited quantities (IMDG) : F-E
Excepted quantities (IMDG) : S-D
EmS-No. (Fire)
EmS-No. (Spillage) : E2
- Air transport : Y341

PCA Excepted quantities
(IATA) PCA Limited
quantities (IATA)

Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION

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

EU-Regulations

No REACH Annex XVII restrictions
Acetone is not on the REACH Candidate List
Acetone is not on the REACH Annex XIV List

National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Data sources : EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.

Version : 3.1

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

The information in this safety data sheet is based on information from the manufacturer/supplier, present european and national legislation, and presupposes that the product is used within the specified area of application.