

Health and Safety Data Sheet

Acetone

1. Identification of the substance/preparation and of the company/undertaking

Chemical identity

Acetone Dimethyl Ketone 2-Propanone

Supplier

G & B (NW) Ltd, Giants Hall Farm, Standish, Wigan, WN6 8RY

Emergency telephone number

01942 518150

2. Hazards Identification



O

C

GHS label elements

Warning

- H226** Highly flammable liquid and vapour
H332 Harmful if Inhaled
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness
EUH066 Repeated exposure may cause skin dryness or cracking

Prevention

- P210** Keep away from heat/sparks/open flames/hot surfaces - No smoking
P241 Use explosion-proof electrical/ventilation/lighting equipment

Response

- P233** Keep container tightly closed
P305 In case of contact with eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage**P405** Store locked up.**Disposal****P501** Dispose of content/container in accordance with local/regional/national/international regulations,

3. Composition / Information on Ingredients.

EINECS/ELINCS	CAS number	Index number	Chemical Name
200-662-2	67-64-1 2-Propanone	606-001-00-8	Acetone

4. First Aid Measures

Affected Area	Action
General	Immediately remove any clothing soiled by the product
Inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, place patient stably in side position for transportation.
Skin contact	Immediately wash with acidic soap and water and rinse thoroughly.
Eye	Rinse opened eye for several minutes under running water. Then consult a doctor.
Ingestion	Do not induce vomiting. Rinse out mouth and then drink plenty of water. If symptoms persist, consult a doctor.

5. Fire-Fighting Measures

Suitable extinguishing agents: Alcohol resistant foam, Carbon Dioxide and extinguishing powder.

Un suitable extinguishing agents: Full jet water stream.

Wear self contained respiratory protective device. Cool endangered receptacles with water spray. Dispose of debris and contaminated water in accordance with official regulations.

6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
 Ensure adequate ventilation. Keep away from sources of ignition.

Measures for environmental protection: Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting: Absorb with liquid binding material(diatomite, sand, Acid binders, universal binders or sawdust).

Health and Safety Data Sheet

Acetone

7. Handling and storage

Handling

Ensure good ventilation/exhaustion at the workplace. Store in cool, dry place in tightly closed containers. Keep ignition sources away – Do NOT Smoke. Protect against electrostatic charges.

Storage

Store away from oxidising agents ans. Keep container tightly closed.

8. Exposure and Controls/ Personal Protection

Ingredients with limit values that require monitoring at the workplace

200 – 662 – 2	2-Propanone	OES	Short – term value: 3620 mg/m ³ , 1500ppm Long – term value: 500 mg/m ³ , 1210ppm
---------------	-------------	-----	------------------------------------------------------------------------------------------------------------

Personal protective equipment: Sk Bmg

General Protective and hygienic measures: Keep away from foodstuffs, beverages and food.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin and eyes
Rubber Gloves, Butyl Rubber, PVC or Natural Rubber.
Body protection: use protective suit.
Body Protection: Impervious protective clothing.

9. Physical and Chemical Properties

Change in condition:

Boiling Point : 56.2 °C

Melting point: -95 °C

Flash Point : -16 °C

Auto-ignition 465 °C

Density at 20 °C - 0.79 g/cm³

Vapour density 4.46 g/cm

Vapour Pressure: 181 h Pa

Solubility in water at 20 °C - 19 g/l

Viscosity Dynamic at 20 °C - 0.59 m Pas

Explosion Limits: Lower: 2.6 Vol%

Upper 12.8% Vol

10. Stability and Reactivity

Thermal decomposition/conditions to be avoided

No decomposition if used according to recommended specification.

Hazardous Reactions

May react with strong acids and alkalis,

Decomposition and decombustion products

Carbon Monoxide and Carbon Dioxide. Poisonous gases and vapours

11. Toxicological Information

Acute toxicity:	LD/LC50 Values relevant for classification:		
	Oral	LD50	5800 mg/kg rat
	Dermal	LD50	>20000 mg/kg rabbit
	Inhalative	LC50/4h	76 mg/l 4h rat
Primary skin irritant effect:			
On the Skin	No Irritant effect. Irritant to skin and mucous membranes.		
On the eye:	Strong irritant with the danger of severe eye injury.		
Sensitization:	No sensitizing effects known		

12. Ecological Information

Information about elimination(persistence and degradability): OECD 301 E >70% (DOC)

Other information:	The product is easily Biodegradable
	IC 10 (16u) 100 mg/l (Scenedesmus subspicatus)
Aquatic Toxicity:	LC 50 (96u) 100 ppm (daphnia magna)
Additional ecological information:	Water hazard class 1 (German Regulation) (Assessment by list)
	Do not allow product to reach ground water or sewage system.
	Danger to drinking water, even if small quantities leak into ground.

Health and Safety Data Sheet

Acetone

13. Disposal Considerations

Product:

Recommendation: Must not be disposed of with household rubbish.
Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation Disposal must be made according to Official Regulation.

14. Transport information



Land Transport

ADR/RID class: 3 Flammable Liquids.

Danger code (Kemler): 33

UN Number: 1090

Packaging Group: II

Hazard label: 3

Description of goods: 1090 ACETONE

15. Regulatory Information

Code letter : Harmful – Highly Flammable
Hazard symbol : Xn – Harmful.

Risk phrases: R11 Highly Flammable
R20 Harmful by Inhalation.
R36/37 Irritating to eyes and respiratory system.
R66 Repeated exposure may cause skin dryness or cracking.

Safety phrases: S2 Keep out of reach and sight of children.
S9 Keep container in well ventilated place.
S16 Keep away from sources of ignition – NO SMOKING.
S24/25 Avoid contact with skin and eyes.
S29 Do not empty into drains.
S36/37 Wear suitable protective clothing, gloves and eye/face protection.

16. Other information

The information is deemed to be correct, but is given without warranty. However, it should be construed as a technical specification or as guaranteeing specific properties. In no event will we be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from this information.

It is the responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application.

Last updated 14/10/2010