

MATERIAL SAFETY DATA SHEET

ACETONE

1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:

Trade name: ACETONE

1.2 IDENTIFICATION OF THE COMPANY:

RAR Resin & Chemical Industries JLT
11th Floor, Jumeirah Lake Towers, P.O. Box: 47381, Dubai UAE
Tel: +971 4 4356517 / +971 4 4356516 Email: info@rarresin.com
Fax: +971 4 4356518 Website: www.rarresin.com

2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:
CAS No. Description: 67-64-1 acetone
Identification number(s)
EINECS Number: 200-662-2
Index number: 606-001-00-8

3 HAZARDS IDENTIFICATION

Hazard description:



Xi Irritant
F Highly flammable

Information concerning particular hazards for human and environment:

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
R 11 Highly flammable.
R 36 Irritating to eyes.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

4 FIRST-AID MEASURES

After Inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: If symptoms persist consult doctor.

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

5 FIRE-FIGHTING MEASURES

- Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment:** No special measures required.

6 ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions:** Wear protective equipment. Keep unprotected person away.
- Measures for environmental protection:** Dilute with plenty of water.
Do not allow to enter sewers / surface or ground water.
- Measures for cleaning / collecting:** Dilute with plenty of water.
Ensure adequate ventilation.

7 HANDLING AND STORAGE

- Handling:**
- Information for safe handling:** No special requirement
- Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- Storage:**
- Requirements to be met by storerooms and receptacles:** Store in a cool location.
- Information about storage in one common storage facility:** Not required.
- Further information about storage conditions:** Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace;

67-64-1 acetone

PEL (USA)	2400 mg/m ³ , 1000 ppm
REL (USA)	590 mg/m ³ , 250 ppm
TLV (USA)	Short-term value: 1782 mg/m ³ , 750 ppm Long-term value: 1188 mg/m ³ , 500 ppm BEI
IOELV (EU)	1210 mg/m ³ , 500 ppm
WEL (Great Britain)	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm

- Additional information:** The lists valid during the making were used as basis.
- Personal protective equipment:**
- General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work
Avoid contact with the eyes
Avoid contact with the eyes and skin.
- Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands:** The glove materials has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

9 PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Form: Fluid
Colour: Colourless
Odour: Characteristic

Change in condition

Melting point / Melting range: 94.7°C
Boiling point / Boiling range: 55.8 - 56.6°C

Flash point: < - 18°C

Ignition temperature: 465°C

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower: 2.6 Vol%
Upper: 13 Vol%

Vapour pressure at 20°C: 233 hPa
Density at 20°C: 0.79 g/cm³
Solubility in / Miscibility with water: Fully miscible.
Viscosity:
Dynamic at 25°C: 32 mPas

10 STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11 TOXICOLOGICAL INFORMATION

Acute toxicity: LD/LC50 values relevant for classification:

Oral LD50 5800 mg/kg (rat)
Dermal LD50 20000 mg/kg (rabbit)

Primary irritant effect:

on the skin: No irritant effect.
on the eye: Irritating effect.
Sensitization: No sensitizing effects known.

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

12 ECOLOGICAL INFORMATION

General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 DISPOSAL CONSIDERATIONS

Product:

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

14 TRANSPORT INFORMATION

Land transport ADR/RID (cross-border):



ADR/RID class:	3 Flammable liquids.
Danger code (Kemler):	33
UN-Number:	1090
Packaging group:	II
Hazard label:	3
Description of goods:	1090 ACETONE

Maritime transport IMDG:



IMDG Class:	3
UN Number:	1090
Label	3
Packaging group:	II
EMS Number:	F-E,S-D
Marine pollutant:	No
Proper shipping name:	ACETONE

Air transport ICAO-TI and IATA-DGR:



ICAO / IATA Class:	3
UN / ID Number:	1090
Label	3
Packaging group:	II
Proper shipping name:	Acetone

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

15 REGULATORY INFORMATION

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:



Xi Irritant
F Highly flammable

Risk phrases:

- 11 Highly flammable.
- 36 Irritating to eyes.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

Safety phrases:

- 2 Keep out of the reach of children.
- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Product safety department
- **Contact:** RAR Resin Technical Dept.