

MATERIAL SAFETY DATA SHEET

SVC-1080

1. IDENTIFICATION OF SUBSTANCE /PREPARATION

Trade Name Acetone.

Company Identification Solv-Echem Ireland Ltd,
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2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Characterization

CAS No. Description 67-64-1 Acetone.
EINECS Number 200-662-2.
EU Number 606-001-00-8.

3. HAZARD IDENTIFICATION

Hazard Description Xi Irritant.
F Highly Flammable.

Information Concerning Particular Hazards for Humans & Environment

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

Inhalation Supply fresh air. Consult a doctor in the case of complaints.

Skin Contact Generally the product does not irritate the skin.

Eye Contact Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.

Ingestion If symptoms persist consult a doctor.

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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Agents	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective Equipment	No special measures required.

6. ACCIDENTAL RELEASE MEASURES

Personnel Safety Precautions	Wear protective equipment. Keep unprotected persons away.
Measures for Environmental Protection	Prevent seepage into sewage system, workpits and cellars. Dilute with plenty of water. Do not allow to enter sewers, surface or ground water.
Measures for Cleaning/ Collecting	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation

7. HANDLING AND STORAGE

Information for Safe Handling	Ensure good ventilation/ exhaustion at the workplace. Prevent formation of aerosols.
Information about Fire & Explosion Protection	Keep ignition sources away. Do not smoke. Protect against electrostatic charges.
Requirements to be Met by Storerooms & Receptacles	Store in a cool location.
Information about Storage in One Common Storage Facility	Not required.
Further Information About Storage Conditions	Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.
Class According to Regulation on Flammable Liquids	B.

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.

OEL Short-term value: 3620 mg/m³, 1500ml/m³.
Long-term value: 1810 mg/m³, 750ml/m³.

Additional Information

The lists valid during the making were used as basis.

Personal Protective Equipment

General Protective & 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 skin and eyes.

Respiratory Protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.

Protection of Hands

Not required.

Eye Protection

Tightly sealed goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

(Refer to Specification No: 108 for further 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.

Physical & Chemical Properties continued...

Explosion Limits:

Lower	2.6 Vol%.
Upper	13.0 Vol%.
Vapour Pressure at 20°C	233hPa.
Density at 20°C	0.79 g/cm ³ .
Solubility in/ Miscibility with Water	Fully miscible.
Viscosity: Dynamic at 25°C	32 mPas.

10. STABILITY & REACTIVITY

Thermal Decomposition/ Conditions to Avoid

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	LD ₅₀	5800 mg/kg (rat).
Dermal	LD ₅₀	20000 mg/kg (rabbit).

Primary Irritant Effect:

On the Skin	No irritant effect.
On the Eye	Irritating effect.
Sensitization	No sensitizing effects known.

12. ECOLOGICAL INFORMATION

General Notes

Water danger class 3 (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 CONSIDERATION

Product Recommendation

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

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Disposal Considerations continued...

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.
Item	3b	
Danger Code (Kemler)	33	
UN Number	1090	
Hazard Label	3	
Description of Goods	1090	Acetone

Maritime Transport IMDG

IMDG Class	3.2
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UN Number	1090
Packaging Group	II
EMS Number	3-06
MFAG	300
Proper Shipping Name	Acetone

Air Transport ICAO-TI and IATA-DGR

ICAO/ IATA Class	3
UN/ ID Number	1090
Packaging Group	II
Proper Shipping Name	Acetone

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 & Hazard Designation of Product

Xi	Irritant.
F	Highly flammable.

Risk Phrases

R 11	Highly flammable.
R 36	Irritating to eyes.

Regulatory Information continued...

	R 66	Repeated exposure may cause skin dryness or cracking.
	R 67	Vapours may cause drowsiness and dizziness.
Safety Phrases	S 2	Keep out of reach of children.
	S 9	Keep container in a well-ventilated place.
	S 16	Keep away from sources of ignition. No smoking.
	S 23	Do not breathe gas/ fumes/ vapour or spray.

Relevant Statutory Instruments

1972/ 0	Dangerous Substances Act, 1972.
S.I. 1980/ 235	Dangerous Substances (Conveyance of Scheduled Substances by Road) (Trade or Business Regulations, 1980.
S.I. 1980/236	Dangerous Substances Act, 1972 (Part IV Declaration) Order, 1980.
S.I. 1986/267	Dangerous Substances Act, 1972 (Part IV Declaration) Order 1980.
S.I. 1986/268	Dangerous Substances (Conveyance of Scheduled Substances by Road) (Trade or Business) (Amendment) Regulations, 1986.
S.I. 1986/269	Dangerous Substances (European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) Regulations, 1986.
S.I. 1994/445	Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulation, 1994.

16. REGULATORY INFORMATION

Other Information

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to Solv-Echem Ireland Ltd's best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

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