

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Acesolve SI**
 Product Code: ACESOLVE S
 Product Use: Solvent

Manufacturer: Aachener Chemische Werke GmbH
 Rostockerstraße 40
 41199 Mönchengladbach
 Telephone: +49 (0) 2166/97027-0

New Zealand Supplier: **Glasscorp Limited**
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 Website: www.glasscorp.co.nz

Emergency Telephone: 09 415 6338
24 Hr Emergency Number 0800 764 766 (Poison Centre)

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 Glasscorp date of issue: 2 October 2012 – version 1

Section 2. Hazards Identification

This substance is not classified as a dangerous good according to NZS5433: 2007
 This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

EPA Approval Code and Group Standard: Solvents (Combustible Hazard) – HSR002649

Pictogram:



Aspiration

HSNO Classification	Hazard Code	Hazard Statement
3.1D	H227	Combustible liquid.
6.1E (aspiration hazard)	H305	May be harmful if swallowed and enters airways.
6.3B	H316	Causes mild skin irritation.
9.1C	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P104	Read safety data sheet before use
P210	Keep away from heat, sparks and open flames. No smoking.
P273	Avoid release to the environment.
P280	Wear /protective clothing.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P331	Do NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P370 + P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Storage Code	Storage Statement
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep Cool

Disposal Code	Disposal Statement
P501	Triple rinse and dispose of according to local regulations. Do not allow to enter waterways.

Section 3. Composition / Information on Ingredients

Ingredients	CAS NUMBER	WEIGHT
Ethanol Naptha (Petroleum), hydrodesulfurized heavy	64742-82-1	≥80 - <100
Non hazardous	proprietary	balance

Section 4. First Aid Measures

General advice : Remove from exposure, lie down
Take off contaminated clothing and shoes immediately.
Never give anything by mouth to an unconscious person.

Routes of Exposure:

If in Eyes Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.

If on Skin Wash skin with warm soapy water. Take off contaminated clothing immediately. If irritation persists get medical assistance.

If Swallowed Clean mouth with water DO NOT induce vomiting. Consult a physician.

If Inhaled Remove person to fresh air. Let victim lie down in the recovery position, cover and keep him warm. If you feel unwell, seek medical advice

Most important symptoms and effects, both acute and delayed

Symptoms: Gastrointestinal discomfort, daze, dizziness, shortness of breath, vomiting and muscle twitching.

Risk: Watch victim for several hours because of possible delayed signs of poisoning.

Indication of any immediate medical attention and special treatment needed

Treatment Show this safety data sheet to the doctor in attendance.
In case of shortness of breath, give oxygen.
If a person vomits when lying on his back, place him in the recovery position.

Section 5. Fire Fighting Measures

Hazard Type	Combustible liquid
Hazards from decomposition products	Combustion may cause : Carbon monoxide Unburned hydrocarbons
Suitable Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a high volume water jet.
Precautions for firefighters and special protective clothing	Standard procedure for chemical fires. Use personal protective equipment. Take off contaminated clothing and shoes immediately. Wear self-contained breathing apparatus and protective suit. In the event of fire and/or explosion do not breathe fumes. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixture with air. Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
HAZCHEM CODE	3Y

Section 6. Accidental Release Measures

Leak or Spillage:

Personal precautions:

- Use personal protective equipment.
- Remove all sources of ignition.
- Do not smoke.
- Ensure adequate ventilation.
- Evacuate personnel to safe areas.

Environmental precautions

Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

Section 7. Handling and Storage

Precautions for safe handling:

- Wear personal protective equipment.
- Read safety data sheet before handling and keep out of reach of children
- Avoid contact with skin, eyes and clothing.
- Do not breathe vapours or spray mist.
- Keep away from heat and sources of ignition.
- Take precautionary measures against static discharges.
- Ensure adequate ventilation.
- Take off contaminated clothing and shoes immediately.
- Avoid release into the environment

Advice on protection against fire and explosion

- Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.
- Electrical equipment should be protected to the appropriate standard.
- Do not empty into drains.
- Keep away from open flames, hot surfaces and sources of ignition.
- Keep away from combustible material.
- Keep away from direct sunlight.

Precautions for safe storage:

- Store in original container, tightly closed and well ventilated.

Advice on common storage: Incompatible with oxidizing agents.

Storage Temperature: 0-35°C.

Section 8 Exposure Controls / Personal Protection

Components	CAS-No.	Value	Control parameters	Update	Basis
Naphtha (petroleum), hydrosol	64742-82-1	TWA	350 mg/m ³		

Engineering Controls:

Keep away from sources of ignition - No smoking.

Electrical equipment should be protected to the appropriate standard.

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Personal protective equipment

Respiratory protection: In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
Glove thickness: > 0.5 mm
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection: Tightly fitted safety glasses

Skin and body protection: Recommended preventive skin protection

Hygiene measures: Avoid contact with skin, eyes and clothing.
Take off contaminated clothing and shoes immediately.
Wash hands before breaks and at the end of workday.
When using, do not eat, drink or smoke.

Protective measures: Use only in well-ventilated areas.
Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls

General advice : Avoid subsoil penetration.
Do not flush into surface water or sanitary sewer system.

Section 9 Physical and Chemical Properties

Appearance	Colourless liquid
Odour	Strong
Flash Point	62°C
Lower and Upper explosion limit	0.6%(V) – 6.1%(V)
Ignition temperature	>230°C
Solubility in Water	partly soluble
PH	ca. 7
Boiling Point	>170°C
Vapour pressure at 20 °C	<1.5 hPa
Density at 20 °C at 20 °C	0.8 g/cm ³
Viscosity, dynamic	ca.<2 mPa*s at 20°C
Viscosity, kinematic	ca 2mm ² /S at 20°C

Other information**Explosivity :**

Vapours may form explosive mixture with air.

Section 10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions
Conditions to Avoid	Keep away from heat and sources of ignition. Take precautionary measures against static discharges..
Incompatibility	Oxidizing agents
Thermal decomposition	No decomposition if stored and applied as directed.

Section 11 Toxicological Information**Acute toxicity**

Acute oral toxicity : LD50: > 2,000 mg/kg
Species: rat

Acute oral toxicity

Naphtha (petroleum, hydro desulfurized heavy : LD50: Oral > 6300 mg/kg
Species: rat

Acute inhalation toxicity

Naphtha (petroleum, hydro desulfurized heavy : LC50: inhalation/4h > 6.5 mg/l
Species: rat

Acute dermal toxicity

Naphtha (petroleum, hydro desulfurized heavy : LD50: Dermal > 3100 mg/kg
Species: rat

Skin corrosion/irritation

Skin irritation May be slight irritation

Serious eye damage/eye irritation

Eye irritation Contact with eyes may cause irritation

Respiratory or skin sensitization

Sensitisation No sensitising effects are known.

Reproductive toxicity

1-Ethylpyrrolidin-2-one NOEL INVITTOX. 1992. Protocol No.47: HET-CAM Test: 200 mg/kg
Species: rabbit
Number of exposures: /day
Method: OECD Test Guideline 414
GLP: yes

Teratogenicity

1-Ethylpyrrolidin-2-one : Suspected of damaging the unborn child.

Human experience

: Solvents may degrease the skin.
Prolonged skin contact may cause skin irritation.
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea..

Section 12. Ecotoxicological Information

Toxicity

Toxicity to fish no data available

Mobility in soil

Physico-chemical removability The product is slightly soluble in water. It can be eliminated from water by abiotic processes.

Other adverse effects

Adsorbed organic bound halogens (AOX) :Product does not contain any organic halogens.

Additional ecological information : Do not flush into surface water or sanitary sewer system
Avoid subsoil penetration.
Treat using the best available techniques before discharge into drains or the aquatic environment.

Section 13. Disposal Considerations

Product Dispose of as hazardous waste in compliance with local regulations

Contaminated packaging Empty remaining contents. Dispose of as special waste in compliance with local regulations.

Section 14 Transport Information

Not classified as a Dangerous Good for transport in NZ ; NZS 5433:2007

Section 15 Regulatory Information

EPA Approval Code: Solvents (combustible hazard) – HSR002649

HSNO Classification: 3.1D, 6.1E, 6.3B, 9.1C

HSNO Controls:	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000 L (9.1C)
Emergency Response Plan trigger Quantities	1000 L (9.1C)

Section 16 Other Information

1. Hazardous Substances Data Bank (HSDB), a database of the National Library of Medicine's TOXNET system (<http://toxnet.nlm.nih.gov>).

2. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

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