
SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: ACID ALCOHOL...%
- Product Part Number: PRC/R/75, PRC/R/75/1, PRC/R/75/2
- REACH Registration Number: This product is a mixture. REACH Registration Number see Section 3

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

- Use of the substance/mixture: In vitro diagnostic reagent
- Use advised against: All other uses

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: PIONEER RESEARCH CHEMICALS LIMITED
- Address of Supplier: UNIT 7, COMMERCE PARK
WHITEHALL INDUSTRIAL ESTATE
COLCHESTER, ESSEX
CO2 8HX
- Telephone: +44 (0) 1206 791781
- Fax: +44 (0) 1206 793369
- Responsible Person: Supplier
- Email: sales@pioneerresearch.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1206 791781 (Only available during office hours)

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Liq. 2, Acute Tox. 4, STOT SE 2

2.2 Label elements

- Contains Methanol



- Signal Word: Danger
- Hazard phrases
 - H225 - Highly flammable liquid and vapour.
 - H302 - Harmful if swallowed.
 - H312 - Harmful in contact with skin.
 - H332 - Harmful if inhaled.
 - H371 - May cause damage to organs
- Precautionary Phrases
 - P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 2 Hazards identification (....)

P270 - Do not eat, drink or smoke when using this product.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

2.3 Other hazards

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- ETHANOL

CAS Number: 64-17-5

EC Number: 200-578-6

Concentration: 60 - 100%

REACH Registration Number: 01-2119457610-43

Categories: Flam. Liq. 2

H Phrases: H225

- METHANOL

CAS Number: 67-56-1

EC Number: 200-659-6

Concentration: 1 - 5%

REACH Registration Number: 01-211943307-44

Categories: Flam. Liq. 2 Acute Tox. 3 Acute Tox. 3 Acute Tox. 3 STOT SE 1

H Phrases: H225, H301, H311, H331, H370

The full text for all hazard statements are displayed in Section 16

SECTION 4 First aid measures

4.1 Description of first aid measures

- Inhalation

Remove patient to fresh air

Keep warm and at rest

Get medical attention if any discomfort continues.

- Ingestion

Do not induce vomiting

Obtain immediate medical attention

Give plenty of water to drink

- Contact with skin

Remove contaminated clothing immediately and drench affected skin with plenty of water

Get medical attention if any discomfort continues.

- Contact with eyes

Immediately flush with plenty of water for 15 minutes. Remove contact lenses and open eyes wide apart.

Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire use alcohol resistant foam, carbon dioxide or dry chemicals or water fog

5.2 Special hazards arising from the substance or mixture

- Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂)
- This product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperature

5.3 Advice for firefighters

- Self contained breathing apparatus and full protective clothing must be worn in case of a fire.
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid spilling, skin and eye contact.
- Avoid inhalation of vapours/spray mist.
- Extinguish sources of ignition

6.2 Environmental Precautions

- Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environment agency or other appropriate body

6.3 Methods and material for containment and cleaning up

- Eliminate all ignition sources if safe to do so
- This product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperature
- Absorb spillage in inert material and shovel up
- Collect as much as possible in clean container for reuse or disposal
- Flush spill area with copious amounts of water

6.4 Reference to other sections

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid spilling, skin and eye contact.
- Keep away from heat and sources of ignition
- Take precautionary measures against static discharge
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Keep only in the original container in a cool, well ventilated place away from heat, sparks and open flames
- Storage class: Flammable liquid

7.3 Specific end use(s)

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- ETHANOL
UK. EH40 WEL
Time weighted average (TWA - 8hrs) 1000ppm
1920 mg/m3

- METHANOL
UK. EH40 WEL
Short term exposure limit (STEL - 15min) 250ppm
333 mg/m3
Time weighted average (TWA - 8hrs) 200ppm
266 mg/m3

Skin designation: Can be absorbed through skin

WEL = Workplace Exposure Limits

8.2 Exposure controls



Process conditions
Provide eye wash station

Engineering measures

Provide adequate ventilation, including local extraction, to ensure defined occupational exposure limit is not exceeded. Must not be handled in a confined space without sufficient ventilation. Technical measures and appropriate working operations should give priority over the use of personal protective equipment (PPE)

Respiratory equipment

No personal respiratory equipment normally required, in adequately ventilated areas, Where workplace limits are exceeded use self contained breathing apparatus type A filter or appropriate combined filter in compliance with EN141

Eye protection

Wear appropriate safety goggles/glasses tested and approved under EN166. Contact lenses should not be worn.

Skin/ Hand protection

Use gloves. Gloves should meet requirements of EN374. Check breakthrough times with supplier. Breakthrough times can vary depending on thickness, use and source. Gloves should be inspected before use. Change gloves frequently. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves in accordance with applicable legislation and good laboratory practice

Body protection

The type of protective clothing must be selected according to concentration and the amount of substance at the workplace.

Other protection

Provide eyewash station and safety shower

SECTION 8 Exposure controls/personal protection (....)

Hygiene measures

Wash skin promptly if contaminated. Do not eat, drink or smoke when handling chemicals

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, colourless
- Odour: Odour of alcohol
- Odour threshold Not known mg/m³
- pH: Not known
- Melting point/Range: Not known
- Boiling Point/Range: Not known
- Flashpoint: <21C (calculated)
- Evaporation Rate: Not known
- Flammability: Not known
- Vapour Pressure: Not known
- Vapour Density: Not known
- Specific Gravity: Not known
- Solubility in water: Completely soluble in water
- Partition Coefficient (n-Octanol/Water): Not known
- Autoignition Temperature Not known°C
- Viscosity: Not known

9.2 Other information

SECTION 10 Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- Considered stable under normal conditions and recommended use

10.3 Possibility of hazardous reactions

- May form explosive vapour/air mixtures

10.4 Conditions to avoid

- Avoid exposure to high temperatures or direct sunlight

10.5 Incompatible materials

- Strong oxidising substances
- Organic acids

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

SECTION 11 Toxicological information (....)

Acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure
no data available

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Additional information
no data available

Inhalation
In high concentrations vapours may irritate throat and respiratory system.

Ingestion
Gastrointestinal symptoms, including upset stomach

Skin contact
Repeat exposure may cause skin dryness or cracking.

Eye contact
Irritating and may cause redness and pain

SECTION 12 Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

SECTION 12 Ecological information (....)

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

Waste to be considered as controlled waste. Disposal to licensed waste contractor in accordance with local waste management

13.1 Waste treatment methods

- Dispose of contents/container to an authorised waste collection point. Make sure containers are empty before disposing
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SECTION 14 Transport information



14.1 UN Number

- UN No.: 1993

14.2 Proper Shipping Name

- Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (ETHANOL, METHANOL)

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- Presents no hazard to the environment

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable
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SECTION 15 Regulatory information

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

- Refer to current COSHH Regulations
- Refer to current CPL Regulations
- Refer to current Petroleum Storage Regulations
- Refer to Health and Safety at Work Act

15.2 Chemical Safety Assessment

SECTION 15 Regulatory information (....)

SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H225: Highly flammable liquid and vapour. H301: Toxic if swallowed. H311: Toxic in contact with skin. H331: Toxic if inhaled. H370: Causes damage to organs.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.