



Hefei Trendchem Co.,Ltd.
 Add: No. 760, Maanshan Road,
 Hefei, Anhui, China
 Phone: 0086 138 55110495
 Tel: 0086 551 63648986
 Fax: 0086 551 63469898
 Email: sales@trendchems.com
 Website: www.trendchems.com

Material Safety Data Sheet

2-Pyrrolidone

Section 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Product Name: 2-Pyrrolidone / α -pyrrolidone / 2-P
CAS Number: 616-45-5
Formula: C₄H₇NO
Contact info. for emergency: 0086 138 55110495 (24-hours hotline)

Hefei Trendchem Co.,Ltd. Tel:+86 551 63648986
 Add: No. 760, Maanshan Road, Hefei, Anhui, China Fax: +86 551 63469898
 Email: sales@trendchems.com Website: www.trendchems.com

Section 2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition:		
Name	CAS No.	% by weight
2-Pyrrolidone	616-45-5	≥99.5

Section 3. HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant). Slightly hazardous in case of skin contact (permeator). Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition

Section 4. FIRST AID MEASURES

Eye contact: Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.

Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.

Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink.
OBTAIN MEDICAL ATTENTION.

Section 5. FIRE-FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: OPEN CUP: 129°C (264.2°F).

Flammable Limits: Not available.

Products of Combustion: carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Section 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing.

Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

Section 7. HANDLING AND STORAGE

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage: Store at room temperature (15°C to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

As appropriate to the situation and the quantity handled.

Respirator: Self-contained breathing apparatus

Ventilation: Fume cupboard

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Product description Clear colourless liquid or solid

Melting temperature 25°C

Boiling temperature 245°C

Density(g/ml) 1.11

Vapour pressure n/a

-Density n/a

Solubility in water Miscible in all proportions

Flash point 129°C

Section 10. STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Not available.

Section 11. TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 328 mg/kg (Rat).

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant). Slightly hazardous in case of skin contact(permeator).

Section 12. ECOLOGICAL INFORMATION

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

Section 13. DISPOSAL CONSIDERATIONS

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

Section 14. TRANSPORT INFORMATION

IATA No information available.
 IMO No information available.
 ID/ADR No information available.

Section 15. REGULATORY INFORMATION

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
 EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Section 16. OTHER INFORMATION

Important Notice: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.
 Created: Mar. 26, 2003

If you have any questions, please contact us by follow:

Hefei Trendchem Co.,Ltd.

Add: No. 760, Maanshan Road, Hefei, Anhui, China

Email: sales@trendchems.com

Tel: +86 551 63648986

Fax: +86 551 63469898

Website: www.trendchems.com

The End of the MSDS.