



Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Water based cleaning agent CYC-wbd

Manufacturer: Shanghai Yonji Chemical Technologies Co., LTD.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Hazardous Ingredients/Exposure limits:

Name	%(w/w)	CAS No.	OSHA PEL	ACGIH TLV
N,N-Dimethylethanolamine	5-15%	108-01-0	None established	None established

3. HAZARDS IDENTIFICATION

Overall Hazard Classification: Not hazardous.

Route of Exposure: Skin contact, Eye contact, Inhalation and Ingestion.

Health Effects: Direct contact with skin, eye and windpipe may cause slight or mild irritation.

Environment Effects: None.

Flammation and Explosion Effects: None.

4. First Aid Measures

Skin contact: Immediately wash with soap and water. Remove the contaminated clothing and launder.

Eye contact: Immediately flush eyes with flowing water, keeping eyelids open. Get medical attention if irritation develops or persists.

Inhalation: Immediately move to fresh air. If unconscious get medical attention immediately.

Ingestion: Do not induce vomiting and seek medical attention immediately.

5. FIRE FIGHTING MEASURES



Hazardous Properties: It can react with strong oxidizing agent strongly.

Hazardous Combustion Products: None.

Extinguishing Media: Not applicable, product is non-flammable.

Special Fire Fighting Procedures and Equipment: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid eye and skin contact, safety glasses and gloves should be worn.

Action to take for spills: Soak up with sand or other absorbent material. Use suitable disposal containers. Keep good ventilation.

7. HANDLING AND STORAGE

Handling Precautions: Avoid eye contact, no special protection needed, it is necessary to use safety glasses to protect against splashing. Avoid skin contact, Use chloroprene or nitrile gloves. Wash hands with soap and water after handling. Keep container closed when not in use.

Storage: Store in a cool ventilated location. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: None should be needed.

Respiratory protection: No special protection needed.

Eye protection: No special protection needed, it is necessary to use safety glasses to protect against splashing.

Body protection: Wear work clothes.

Hand protection: Use chloroprene or nitrile gloves.

Other protection: Wash hands with soap and water after handling, especially before eating. No other special protection needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	≤23℃	Clear colorless liquid, slight odor.
	>23℃	Milk white liquid, slight odor.

pH (10g/1 H₂O): 11

Melting Point(℃): <0

Boiling Range(℃): 110~229

Flash Point(℃): None

Auto ignition temperature(℃): None

Solubility in Water: Very easy

Density(Water=1): 0.99

Vapor Pressure(kPa): 1.89

Upper Flammability Limit% (V/V): None

Lower Flammability Limit% (V/V): None

Surface Tension(mN/m, 25℃): 30

10. STABILITY AND REACTIVITY



Stability: Stable.

Material to Avoid: Strong oxidizing agent.

Conditions to Avoid: Heating the containers causes increase of bursting hazard.

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition: No decomposition up to boiling.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: None known.

Irritation:

Inhalation may cause slightly irritation.

Skin contact may cause mild irritation. Prolonged contact causes degreasing of the skin.

Eye contact may cause mild irritation.

Ingestion: None known.

Carcinogenicity: All ingredients do not listed in IARC.

12. ECOLOGICAL INFORMATION

Ecotoxicity: None known.

Biodegradation: Biodegradable, no relatively detailed data.

13. DISPOSAL CONSIDERATIONS

Waste Description: Spent or discarded material is a hazardous waste.

Disposal Methods: Dispose in accordance with national and local regulations.

14. TRANSPORT INFORMATION

Danger classification: None

UN No.: None

Packing symbols: None

Equal Transport Name: Water based cleaning agent (Non-dangerous substance)

Packing Method: Plastic container or metal container

Transport regulation: None

15. REGULATORY INFORMATION

None

16. OTHER INFORMATION

Reference: None

Date prepared: December 18, 2006

Prepared by: Technology department

Written by: Leslie

Position: Technical Engineer

Approved by: QA department



Shanghai Yonji Chemical Technologies Co., LTD.

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Additional information:

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