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Material Safety Data Sheet (MSDS)

1. Company information and Product identification

Manufacturer/supplier: XIAN WONDER ENERGY CHEMICAL CO., LTD

Address: NO 4 KUNMING ROAD XI'AN CITY, SHAANXI PROVINCE, CHINA

TELEPHONE: 0086-29-84275802

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2. Composition/Information on Ingredients

English name of chemical: Hydroxyethyl heptadecenyl imidazoline

CAS NO: 27136-73-8

Molecular Formula: C₂₂H₄₂N₂O

Molecular Weight: 350.58168

3. Hazards Identification

Harmfulness Catagory:

Intruding method: via breathing, eating and absorbing through skin.

Harm for the health: It can cause respiratory tract irritation, headache, nausea and vomiting if breath in. However, it is not harm for you normally.

Exploding dangerous:

4. First Aid Measures



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Eye contact: flush eyes with large amounts of running water for at least 15 minutes. hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water.

skin contact : flush skin with large amounts of water. remove contaminated clothing while rinsing. wash skin with soap and water. if irritation persists, get medical attention.

Inbreathe: leave the scene as quickly as possible to the place filled up fresh air.

Eat: drink enough warm water, disgorge it and see the doctor.

5. Fire Fighting Measures

Properties of fatalness: Once meet with fire or high heat energy, it will burn and explode.

Harmful burning products: CO, CO₂, NO_x.

Fire fighting methods: firefighters are required to wear gas masks, wore full-body fire suit. and moved containers to the scene empty Department. Water spray to keep containers cool fire until the fire ended. if it generates sounds from the safety relief valve discoloration or discolored container, you must evacuate immediately.

Fire-extinguishing agent: mist of water, foam, dry powder, carbon dioxide, sand.



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6. Accidental Release Measures

Emergent action: recommend to put on the working cloth and restrict the entrance for the all personnel. Stop leaking and do not let the liquid enter the sewer.

Little amount leaking: absorb the leaking liquid using active carbon.

Lots of it leaking: set a fence or dig a hole to cover it. Cover it using spume to stop evaporation.

7. Handling and Storage

Operation: operation should be taken at the air tight environment and strengthen the ventilation. Operators should be taught strictly and obey the operation rules. Recommend to wear the gas mask, glasses, working clothes and gloves. Keep it away from the fire and heat energy. No smoking at the working place. Avoid meeting with the oxidants.

Storage: store at the cool, dark place with good ventilation. Packaging should be airproof. Avoid meeting with air. Store it with flammable separately. Store the suit materials and instruments to deal with the emergence.

8. Exposure Controls/Personal Protection

Project control: operate at the airtight environment. Part of place should keep ventilation.



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Respiratory protective:

Body protection: put the working clothes on

Hands protection: wear the latex gloves

Other protection requirements: no smoking, eating and drinking at the working place. Washing hands before eating. When you are off, please have a shower and change clothes.

9. Physical and chemicals properties

Appearance: yellow or brown liquid

Boiling point:

Fusion point:

Relative density(water=1) g/cm³: 1.000~1.100

Solid content: ≥98%

Usage:To prevent the corrosion during the process of oil and natural gas exploiting, refining and circulating water treatment process.

Other physical and chemical properties:

10. Stability and reactivity

Stability: stable at normal temperature and storage conditions

Avoiding material: Flame, high fever

Polymerization hazard: none



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Decompounding products: none

11. Toxicological Information

Acute Toxicity:LD50 NO DATA

Irritation: none

Allergenicity: none

Sub-acute and chronic toxicity: none

Mutagenicity:none

Teratogenicity:none

Carcinogenicity:none

12. Ecological Information

Biological effects (such as LD50, LC50)

Biodegradation:

Bio-enrichment:

Other harmful effects:

13. Disposal considerations

Way to deal with the abandon: before deal with the abandon, please refer the relative national rules. Recommend to burn the abandon.

14. Transport Information

NONE HAZARDOUS FOR SEA TRANSPORT ACCORDING TO IMO IMDG CODE



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15. Regulatory information

Laws: Safe management byelaw for dangerous chemical products (issued on 17th Feb. 1987 by State Department), Safe management detailed rules for dangerous chemical products (No.677 issued at 1992), rules for using chemicals safely at public place (No.423 issued at 1996). These rules had ordained the safe use, production, storage, transportation, uploading and downloading of dangerous chemicals

16. Other Information

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely the users' responsibility.

In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if has been advised of the possibility of such damages.

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