

1. Identification

Product Identifier : EES-200L
Synonyms : -
Suggestive Use : -
Names, addresses, and phone numbers of the maker, importer or supplier: TAIWAN HOPAX CHEMICALS MFG. CO., LTD. No.28, Hua Dong Road, Daliao, Kaohsiung 83162, Taiwan TEL.:886-7-7887600
Emergency contact phone numbers/fax numbers : 886-7-7887600 / 886-7-7872892

2. Hazards Identification

Chemicals Classification : -
Labeling : -
Symbol : -
Signal word : -
Hazard statement : May cause eye irritation. May cause eye irritation. May cause respiratory tract irritation. May be fatal if swallowed. May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.
Precautionary statements : Do not eat, drink or use tobacco when using this product. Use only in a well-ventilated area. Wash thoroughly after handling.
Other hazards : -

3. Composition / Information on ingredients
Pure material :

Chinese and English name : 磺酸鹽二氨鈉 / Sodium diamine sulfonate
Synonyms : -
Chemical Abstract Service No.(CAS No.) : 34730-59-1
The hazardous ingredient (%of the content) : -

Mixtures :

Chemical properties : -	
Chinese and English names of The hazardous ingredients	Concentration or concentration ranges (ingredient percentage)
-	-

4. FIRST AID MEASURES

The first aid measures for different exposure routes: Inhalation : Remove to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional. Skin : Remove contaminated clothing and flush skin with large amounts of water. If irritation persists, contact physician. Eyes : Immediately flush eyes with water for at least 15 minutes. Get medical attention. Ingestion : Rinse with copious amounts of water or milk, first. In case of intentional ingestion of the

product seek medical assistance immediately; take individual to nearest medical facility.
The most important symptoms and hazardous effects : -
The protective of first-aiders: : -
Notes to a physician : -

5. FIRE FIGHTING MEASURES

Suitable fire extinguishing media: use carbon dioxide, dry chemical, foam, water spray.
Specific hazards may be encountered during fire-fighting: -
Specific fire-fighting methods: -
Special equipment for the protection of firefighters: -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : -
Environmental precautions : -
Methods for cleaning up : Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering control : Use adequate ventilation to keep airborne concentrations low.
Control parameters: 8 hours time weighted average exposure limits/Short-term exposure limits/maximum exposure limits biological standards: -
Personal Protective Equipment : Respiratory protection : - Hand protection: Wear gloves. Eye protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure.
Hygiene measures:-

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance (physical state, color, etc.) : Light yellow liquid	Odor : odorless
Odor threshold : -	Melting point : -
pH-value : -	Boiling point/boiling point range: 112°C
Flammability(solid, gas) : -	Flash point : N/A (recommended to keep under 110°C)
Decomposition temperature : -	Explosion limits : -
Auto-ignition temperature : -	

Vapor pressure : -	Vapor density : -
Density : -	Solubility : 50 g/100ml(water)
Partition coefficient (n-octanol/water,log Kow) : -	Evaporation rate : -

10. STABILITY AND REACTIVITY

Stability : Stable under ordinary conditions of use and storage.
Possibility of hazardous under specific conditions : -
Conditions to avoid : -
Materials to avoid : -
Hazardous decomposition products : Nitrogen oxides, sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Routes of exposure
Acute Toxicity : Inhalation Toxicity : - Dermal Irritation : - Eye Irritation : - Oral Toxicity : -
LD50(test animal \ absorb way) : - mg/kg(rat , Oral) LC50(test animal \ absorb way) : - mg/m ³ /30min(rat , Inhalation)
Regulatory Information : RTECS : Unlisted. NIOSH : Unlisted. TECS : Unlisted. TSCA : is listed on the TSCA (Chemical Substances) Inventory
Target organ effects : -
Irritation : -
Subchronic/Chronic Toxicity : -
Special effects : - mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity : LC50 (fish) : - EC50 (aquatic and terrestrial) : - BCF : -
Persistence and degradability : -
Bioaccumulative potential : -
Mobility in soil : -
Other adverse effects : -

13. DISPOSAL CONSIDERATIONS

Methods of waste disposal : Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.
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14. TRANSPORT INFORMATION

United Nations number (UN No) : Not applicable
UN proper shipping name : Not applicable
Transport hazard class : Not dangerous sample.
Packing Group : Not applicable
Marine Pollutant (Yes/No) : No
Specific transport measures and precautionary conditions : Not applicable

15. REGULATORY INFORMATION

Applicable regulations:-

16. OTHER INFORMATION

Literature References	-
Organization that prepared the SDS	Name : TAIWAN HOPAX CHEMICALS MFG. CO., LTD.
	Address/telephone number: No.28, Hua Dong Road, Daliao, Kaohsiung 83162, Taiwan TEL.:886-7-7887600
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