

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : ECONOMISER TREAT
PRODUCT TYPE : Gas side treatment

COMPANY : UNI AMERICAS L.L.C.
57174 Hardin Road
Slidell, Louisiana 70461
United States of America
Phone: + (1) 985-643-1002 Fax: + (1)-985-643-1003
Emergency phone: 1-800-424-9300

Email Address: orders@uniam.net

2. COMPOSITION/INFORMATION ON INGREDIENTS

1. Sodium hydroxide CASnr: 1310-73-2

3. HAZARDS IDENTIFICATION

HUMAN HEALTH : Irritating to eyes and skin

RISK CLASSIFICATION : Irritating R-36/38

ENVIRONMENTAL HAZARDS : Do not let down into the environment without thinning and neutralisation.

4. FIRST AID MEASURES

INHALATION : Remove to fresh air. If the patient does not quickly recover, seek medical advice.

SKIN : Take of contaminated clothing immediately. Wash the skin with large amounts of water. If irritation remains, seek medical advice.

EYE : Flush with large amounts of water. If irritation remains, seek medical advice.

INGESTION : Wash the mouth with water. Give 2 glasses of water to drink. Seek medical advice.

5. FIRE FIGHTING MEASURES

FLASH POINT : None

SPECIFIC HAZARDS : See under 9

EXTINGUISHING MEDIA : No limitations. The product does not burn.

6. ACCIDENTAL RELEASE MEASURES

- CLEANING UP** : Absorb spills in sand, earth or other inert material. Dispose of the material according to local regulations. Scrub contaminated surfaces with detergent solution.
- ENVIRONMENTAL PRECAUTION** : Prevent contamination of soil and water.
Do not let down into the environment without thinning and neutralisation.

7. HANDLING AND STORAGE

- HANDLING** : Do not breathe vapours or mists. Use in well ventilated areas.
- STORAGE** : Keep in closed containers, in a dry place and frost free. Avoid contact with acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- MAK** : 2 mg/m³.
- PREVENTIVE MEASURES** : Clean contaminated clothing before re-use. Use in well ventilated areas.
- PERSONAL PROTECTIVE EQUIPMENT** : Wear suitable protective clothing, eye protection and chemical resistant gloves. Wear breathing protection when spraying the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Clear liquid
- ODOUR** : Neutral
- FLASH POINT** : None
- pH** : 11
- BOILING POINT** : 100 °C
- DENSITY (20°C)** : 1.3
- SOLUBILITY** : Miscible with water, not miscible with organic solvents.

10. STABILITY AND REACTIVITY

- STABILITY** : Stable min 2 years at ambient temperature if stored in closed container,
- REACTIVITY** : Avoid contact with acids and metals.
- HAZARDOUS DECOMPOSITION PRODUCTS** : Thermal decomposition may yield the following:
Hydrogen

11. TOXICOLOGICAL INFORMATION

Information given is based on knowledge of the constituents and the toxicology of similar substances.

ORAL	:	Irritation, stomach ache, diarrhoea LD50(rabbit) = > 2000 mg/kg (sodium hydroxide calculated on the product)
SKIN CONTACT	:	Irritation, redness, pain LD50(rabbit) = >2000 mg/24 Hr (sodium hydroxide calculated on the product)
EYE CONTACT	:	Irritation, loss of sight
INHALATION	:	Irritation, throat ache, coughing, short of breath.

12. ECOLOGICAL INFORMATION

Information given is based on knowledge of the constituents and the toxicology of similar substances.

Do not let down into the environment without thinning and neutralisation

13. DISPOSAL CONSIDERATIONS

Dispose of according to local regulations. Contaminated product is to be regarded as chemical waste.

14. TRANSPORT INFORMATION

UN-number	:	Not regulated
ADR	:	Not regulated
IMO	:	Not regulated

15. REGULATORY INFORMATION

EG	:	011-002-01-3
SYMBOL	:	Irritating
R-PHRASES	:	36/38
S-PHRASES	:	37/39, 2, 26, 27

16. OTHER INFORMATION

The information contained herein relates only to the specific material identified. Uniam believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Uniam urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

January 1, 2009