

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** : COLOR COOLING TREATMENT  
**PRODUCT TYPE** : Diesel engine cooling water treatment

**COMPANY** : UNI AMERICAS L.L.C.  
 57174 Hardin Road,  
 Slidell, Louisiana 70461  
 United States of America  
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<b>National Fire Protection Association (NFPA) :</b>		<b>Hazardous Material Information System (HMIS) :</b>	
Health	3	Health	3
Fire Hazard	0	Fire Hazard	0
Reactivity	1	Reactivity	1

2. COMPOSITION/INFORMATION ON INGREDIENTS

- |  |                  |
|--|------------------|
| 1. Sodium Nitrite                      | CASnr: 7632-00-0 |
| 2. Surfactants and sequestering agents | Mixture          |

3. HAZARDS IDENTIFICATION

**HUMAN HEALTH** : Toxic when swallowed

**ENVIRONMENTAL HAZARDS** : Dilute with large amounts of water before letting down into the environment.

4. FIRST AID MEASURES

**INHALATION** : Remove to fresh air. Keep the patient calm and in an upright position. Seek medical advice.

**SKIN** : Take of contaminated clothing. Wash the skin with water. Seek medical advice.

**EYE** : Flush with large amounts of water. Seek medical advice.

**INGESTION** : Wash the mouth with water. Call a physician

5. FIRE FIGHTING MEASURES

**FLASH POINT** : The product does not burn.

**SPECIFIC HAZARDS** : See under 9

**EXTINGUISHING MEDIA** : Water fog. Do not use dry powder based on salts of ammonium.

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. Thin before letting down into the environment.

#### 7. HANDLING AND STORAGE

- HANDLING** : No specific precautions.
- STORAGE** : Keep in closed containers, frost free. Keep separated from acids and salts of ammonium.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- MAK** : Not determined.
- PREVENTIVE MEASURES** : Clean contaminated clothing before re-use.
- PERSONAL PROTECTIVE EQUIPMENT** : Wear suitable protective clothing, eye protection and gloves.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Clear liquid, red
- ODOUR** : None
- FLASH POINT** : None
- BOILING POINT** : 100 °C
- DENSITY (20°C)** : 1.1
- SOLUBILITY** : Miscible with water, not miscible organic solvents.

#### 10. STABILITY AND REACTIVITY

- STABILITY** : Stable min 2 years at ambient temperature if stored in closed container,
- REACTIVITY** : Reacts with acids, amines and salts of ammonium.
- HAZARDOUS DECOMPOSITION PRODUCTS** : Thermal decomposition may yield the following:  
Carbon monoxide, Carbon dioxide, Oxides of Nitrogen and Sodium oxide

#### 11. TOXICOLOGICAL INFORMATION

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

- ORAL** : Stomach ache: see inhalation.  
LD50 (rat) = 700 - 1400 mg/kg (sodium nitrite, calculated on the product).
- SKIN CONTACT** : The product can penetrate the skin.
- INHALATION** : Short of breath, headache, cyanosis, weakness.

## 12. ECOLOGICAL INFORMATION

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

The product is biodegradable. Micro-organisms oxidise the product to nitrate or to nitrogen.

LD50 fish: > 1 g/l (sodium nitrite calculated on the product)

LD50 Daphna: > 1g/l (sodium nitrite calculated on the product).

## 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**  
**SYMBOL** : None  
**R-PHRASES** : None  
**S-PHRASES** : None

## 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.

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