

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : COLOR COOLING OS
PRODUCT TYPE : Diesel engine cooling water 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
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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 : > 80° C. (PMCC ASTM D 93)
SPECIFIC HAZARDS : See under 9
EXTINGUISHING MEDIA : Foam, water spray or fog.
Dry powder, Carbon dioxide and sand may be used with small fires.

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 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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