

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : FOT DUAL PURPOSE
PRODUCT TYPE : Fuel oil treatment

COMPANY : UNI AMERICAS L.L.C.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

1. Aliphatic/aromatic hydrocarbon CASnr: 64742-82-1

3. HAZARDS IDENTIFICATION

HUMAN HEALTH : After swallowing and subsequent vomiting, the product can enter the lungs with risks of chemical pneumonia.

RISK CLASSIFICATION : Harmful R-65

ENVIRONMENTAL HAZARDS : Slightly toxic to aquatic organisms.

4. FIRST AID MEASURES

INHALATION : Remove to fresh air. Seek medical advice.

SKIN : Take off contaminated clothing. Wash the skin with water and soap.

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

INGESTION : Do **NOT** induce vomiting. Give nothing by mouth. If the patient does not quickly recover, call a physician.

5. FIRE FIGHTING MEASURES

FLASH POINT : > 63° 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. Prevent from spreading or entering into drains, ditches, rivers or coastal water.

7. HANDLING AND STORAGE

- HANDLING** : Avoid contact with skin. Avoid inhalation of mists or vapours. Avoid handling above 63°C.
- STORAGE** : Keep in closed containers at ambient temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- MAK** : 5 mg/m³ (oil mist, voluntary recommendation)
- PREVENTIVE MEASURES** : Clean contaminated clothing before re-use. Use in well ventilated areas.
- PERSONAL PROTECTIVE EQUIPMENT** : Wear suitable protective clothing, eye protection and PVC gloves. With risk of inhalation wear half mask respirator with organic vapour filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Dark liquid
- ODOUR** : Typical
- FLASH POINT** : >63°C
- DENSITY (20°C)** : 0.9
- SOLUBILITY** : Emulsifies in water, miscible with most organic solvents.

10. STABILITY AND REACTIVITY

- STABILITY** : Stable min 2 years at ambient temperature if stored in closed container. Avoid heating sources and open fire.
- REACTIVITY** : Neutral
- HAZARDOUS DECOMPOSITION PRODUCTS** : Thermal decomposition may yield the following:
Carbon monoxide

11. TOXICOLOGICAL INFORMATION

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

TOXICOLOGICAL DATA	:	LD50(oral): > 2000 mg /kg.	(solvents calculated on the product)
SKIN CONTACT	:	LD50: > 2000 mg/kg. The product is slightly irritating. Prolonged exposure can lead to dryness of the skin.	
EYE CONTACT	:	Slightly irritating	
INHALATION	:	LC50: > 5mg/ltr	(solvents calculated on the product)

12. ECOLOGICAL INFORMATION

Information given is based on knowledge of the constituents and the toxicology of similar substances. The information stated below is to be taken on account of the solvent.

DAPHNIA	:	EC50: < 1 mg/l
FISH	:	EC50: < 1 mg/l

The product will float on water, adsorb to soil and thus not spread. The product is biodegradable.

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	:	265-185-4
SYMBOL	:	Harmful
R-PHRASES	:	R-65
S-PHRASES	:	S-62

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