

**RAFFINERIES IMPERATOR**UREAGREASE HDP  
Code 5607Index and date prepared :  
01/27.03.08**MATERIAL SAFETY DATA SHEET**

Page : 1/5

**PRODUCT LABELLING**

Common label or EC label : Symbols : None.  
R - phrases : None.  
S - phrases : None.

Transport labelling : Not concerned.

**1. PRODUCT AND COMPANY IDENTIFICATIONS**

- Trade name : UREAGREASE HDP  
- Company code : 5607  
- Common use : Lubricating grease  
- Manufacturer / supplier  
Name : RAFFINERIES IMPERATOR  
Address : Rue de Breuze  
59780 BAISIEUX  
FRANCE  
Phone number : 33 (0)3 20 61 77 77  
Fax : 33 (0)3 20 84 17 88  
e-mail : [rm.imp-contact@imperator.fr](mailto:rm.imp-contact@imperator.fr)  
- Emergency phone number : ORFILA 33 (0)1 45 42 59 59

**2. HAZARDS IDENTIFICATION***PRINCIPAL HAZARDS**Refer also to sections 11 and 12*

- Human health hazards : Under normal use mineral oils and other components of the product are not considered as dangerous and toxic.  
- Environmental hazards : Not classified as dangerous for environment.  
Avoid release to the environment.  
- Physico-chemical hazards : Not classified as flammable

**3. COMPOSITION / INFORMATIONS ON INGREDIENTS**

Substance (CAS, ENEICS numbers in this case) or composition.

- Chemical name : Composition based upon mineral oils.  
(content in PAH < 3 % according to IP 346 method)  
- Hazardous ingredients : Zinc dithiophosphate (Xi, N, R38, R41, R51/53) (EINECS 272-028-3) 0.5-2 %  
Chemical or identification name : Alkylated Diphenylamine (R52/53) (EINECS 270-128-1) 0.5-1.5 %  
and concentrations : Baryum sulfonate (Xn,R20/22,R36/38,R52/53) (EINECS 263-140-3) Ba < 0.02 %

**4. FIRST AID MEASURES**

IN CASE OF IMPORTANT TROUBLES GET URGENTLY MEDICAL ATTENTION.

- Inhalation : In the unlikely event of dizziness or nausea, remove casualty to fresh air. If symptoms persist, obtain medical attention.  
- Skin contact : After skin contact wash with soap and water. Do not use solvent.  
In case of injury by an high pressure spray there is a risk of internal introduction. This hazard exist also with grease guns. Get hospital attention even if there is not apparent injury.

UREAGREASE HDP  
Code 5607

Index and date prepared :  
01/27.03.08

- Eye contact : Immediatly flush eyes with water with lifting the lids during 15 minutes minimum. Get medical attention.
- Ingestion : Do not induce vomiting. Get medical attention.
- Informations for the physician : Treat symptomatically.

**5. FIRE - FIGHTING MEASURES**

- Flash point : See section 9.
- Extinguishing media :
  - . Suitable : Foam, dry powder, CO2 (for small fires only).
  - . Not to be used : Water stream.
- Hazardous decomposition products : Incomplete combustions can yield CO, CO2, various hydrocarbons, aldehydes... breathing is dangerous.
- Special protective equipment : Self contained breathing apparatus when approaching a fire in a confined space.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : In accordance with level of risk wear gloves, safety glasses, chemical clothes. Spilling areas are sliding surfaces.
- Environmental protection : Take all measures to avoid the pollution of sewers and water. Build dike to prevent flowing.
- Clean-up methods / after spillage : Physical removal (pumping) of free liquid. Pick up with inert absorbent or sand. Do not flush in sewer.
- Waste disposal : Place in container and eliminate by a licenced waste disposal company.

**7. HANDLING AND STORAGE**

*HANDLING*

- Worker exposure prevention : Insure an adequate ventilation in case of vapor or mist risk.  
Keep away from flammables.  
Keep away from food and drinks.
- Fire and explosion prevention : Contaminated materials present fire hazards by auto oxydation.  
Eliminate in a secure waste disposal.
- General precautions : To minimise the fire risk the conception of facilities must take into account the risk of streaming on hot surfaces or electric contacts.  
Prolonged and repeated contacts with skin may cause irritations favoured by little skin injuries or friction of contaminated clothes.  
Avoid streaming.  
Take off all soaked clothes.  
After skin contact, wash with soap and water.  
Do not use solvent or fuels.  
Do not wipe hands with soaked cleaning towels.  
Do not breathe vapors or mist.  
Do not eat, drink or smoke during use.

## RAFFINERIES IMPERATOR

UREAGREASE HDP  
Code 5607

Index and date prepared :  
01/27.03.08

### MATERIAL SAFETY DATA SHEET

Page : 3/5

- Instructions of use : Avoid contact with strong oxidizers.  
Use only hydrocarbons resistant materials.

#### STORAGE

- Technical dispositions : Not concerned.
- Storage conditions : Particular regulations, capacity limits, quantity in accordance with local and national regulations.
- . Recommended : Store at ambient temperature away from water, moisture or ignition source.  
Store in close containers.  
Concept facilities and take all dispositions to avoid spillage in water and ground.
- . Avoid : Outside in open air.
- Uncompatible materials : Strong oxidizers.
- Packaging materials : Use only hydrocarbons resistant materials for containers, seals, pipes...  
Avoid transfer in other packaging, in the contrary report if necessary the labelling on the new one.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Parameters of control : individual equipment

- Respiratory protection : Not concerned in normal use.
- Hand protection : Hydrocarbons resistant and unpermeable gloves.
- Eye protection : Safety glasses when eye contact may occur.
- Others : Depending on necessity full face glasses ; resistant unpermeable clothes, security shoes...
- Personal hygiene : Avoid skin contact.  
Wash with soap and water after contact.  
Do not use solvent or fuels. In case of eyes contact, wash immediately with water occasionally lifting lids during a minimum of 15 minutes, then get medical attention.
- Environmental exposure controls : See sections 12, 13.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Pasty.
- Color : Brown.
- Odor : Mild petroleum.
- Ph : Not concerned.
- Temperature of physical change/  
Dropping point :  $\geq 240^{\circ}\text{C}$  (ISO 2176).
- Flash point :  $> 200^{\circ}\text{C}$
- Auto ignition temperature :  $> 250^{\circ}\text{C}$  (ASTM E659).
- Explosion : Not concerned.
- Vapor pressure : Negligible under normal conditions.
- Density :  $900 \text{ kg/m}^3$  at  $20^{\circ}\text{C}$ .
- Solubility in water : Not soluble.
- Solubility in solvent : Soluble in many usual solvents.

UREAGREASE HDP  
Code 5607

Index and date prepared :  
01/27.03.08

**MATERIAL SAFETY DATA SHEET**

Page : 4/5

- n-Octanol/water partition coefficient : None.
- Others data : None.

**10. STABILITY AND REACTIVITY**

- Stability : Stable product in normal conditions of storage, handling and use.
- Dangerous reaction : Unrecommended conditions : Heat, ignition points, flames...  
Unrecommended materials : Strong oxidizers.
- Hazardous decomposition components : Incomplete combustion and thermolyse can yield CO, CO<sub>2</sub>, hydrocarbons, aldehydes and carbon dust.

**11. TOXICOLOGICAL INFORMATION**

Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products.

*ACUTE TOXICITY*

- Inhalation : No risk in normal use.
- Skin contact : Non toxic. LD50 expected to be > 2000 mg/kg
- Ingestion : Non toxic. LD50 expected > 5000 mg/kg

*LOCAL EFFECTS*

- Inhalation : No risk in normal use.
- Skin contact : Not classified as irritant.
- Eyes contact : Not classified as irritant.

*SENSITIZATION*

- Skin contact : No available data indicates that the product can be a skin sensitizer.

*CHRONIC TOXICITY*

- Inhalation : No risk in normal use.
- Skin contact : Specific injury may develop following repeated or prolonged contacts.

*SPECIFIC EFFECTS*

- Carcinogenicity : Non carcinogen. This product is formulated with highly refined mineral oil and other components considered as non carcinogen.

**12. ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

- Mobility : Ground : Considering its physical state, the product is generally little mobile.  
Water : Not soluble, the product floats on water surface.
- Degradability : No experimental data on the final product.  
However, the main parts of the composition is biodegradable with time.  
Some components might be non biodegradable.

UREAGREASE HDP  
Code 5607

Index and date prepared :  
01/27.03.08

**MATERIAL SAFETY DATA SHEET**

Page : 5/5

- Ecotoxicity : The product is not considered as dangerous for ground flora. It is considered as little dangerous for water and marine species. No data for the used product.
- Bioaccumulation potential : Not determined.

**13. DISPOSAL CONSIDERATIONS**

- Used product
- Relevant methods of elimination : Collect and dispose of waste product at an authorized disposal facility, in conformance with national and local regulations, and in accordance with EC directives on the disposal of waste oil.

**14. TRANSPORT INFORMATION**

*INTERNATIONAL REGULATIONS*

- Road transport (ADR) : Not regulated.
- Rail (RID) : Not regulated.
- Marine (IMDG) : Not regulated.
- Air (OACI/IATA) : Not regulated.

UNO Nr : None

**15. REGULATORY INFORMATION**

*EC REGULATIONS*

- Common label or EC label :
  - Symbols : No symbol.
  - Risk phrases : None.
  - Safety phrases : None.

**16. OTHER INFORMATION**

- Date prepared : March 27<sup>th</sup> 2008
- Cancel and replace the MSDS dated : 1<sup>st</sup> edition
- Main changes :
- R phrases :
  - R20/22 Harmful by inhalation and if swallowed
  - R36/38 Irritating to eyes and skin
  - R38 Irritating to skin.
  - R41 Risk of serious damage to eye.
  - R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

"This MSDS is an addition and complementary document beside the technical data sheet. The informations are based upon our knowledges about the product at the date of edition.

Since we cannot anticipate or control the different conditions under which these informations or our product may be used, we make no guarantee that the recommendations will be adequate for all individuals and situations.

Each user should determine the suitability of the described product for his particular purpose and should comply with all concerned federal, state rules and specific regulations.