

PRODUCT NAME: Bel-Ray No-Tox® HD Grease 2 TC
PRODUCT CODE: 62170
HAZARD LABELING: FOR USE OR EEC:
R-PHRASES: Not classified
S-PHRASES: Not classified
SYMBOLS: None
LABELING FOR TRANSPORT: Not classified

Not classified as hazardous according to NOHSC criteria.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

-PRODUCT NAME: Bel-Ray No-Tox® HD Grease 2 TC
-PRODUCT CODE: 62170
-COMMERCIAL USE: Nontoxic lubricating grease
-SUPPLIER: Bel-Ray Company PTY Limited
 4 Ginger Street
 Paget, QLD 4740
 Australia

 Bel-Ray Company, Inc.
 P.O. Box 526
 Farmingdale, NJ 07727-0526 USA
 Telephone: (1) 732-938-2421
 Fax: (1) 732-938-4232

Emergency Telephone Number: 24 Hour Contact for Accidents and Spills:
 Australia: 1800 069 100
 United States: (1) 800-424-9300
 Outside USA & Australia: 703-527-3887 (call collect)

2. COMPOSITION / INFORMATION ON INGREDIENTS

-SUBSTANCE: USUAL CHEMICAL NAME
***GENERIC NAME:** Mixture of lubricating grease and lubricant additives.

| | Chemical Name | CAS Number | % Wt. |
|---|--------------------|------------|-------|
| 1 | lubricating grease | 74869-21-9 | 90-95 |
| 2 | lubricant additive | mixture | 5-10 |

***INGREDIENTS CONTRIBUTION TO THE HAZARD:** None known

-PREPARATIONS:
***CHEMICAL NATURE:** Product of lubricating grease and lubricant additives.
***COMPONENTS CONTRIBUTING TO HAZARD:** None in normal usage.
***IMPURITIES CONTRIBUTING TO HAZARDS:** None.

3. HAZARDS IDENTIFICATION

-PRINCIPAL HAZARDS: (SEE ALSO SECTIONS 11 AND 12):

***HARMFUL EFFECTS ON HEALTH:** Under normal use conditions, the oils and other ingredients in this product do not pose an acute risk of poisoning. It may be mildly irritating to skin or eyes, but it is not a sensitizing agent.

***ENVIRONMENTAL EFFECTS:** Experiments carried out on similar products indicate that it poses little danger to aquatic and landborn life, also that it will be intrinsically biodegradable. However, regulations forbid oils and lubricants being disposed of directly into the environment.

***PHYSICAL AND CHEMICAL HAZARDS:** No specific fire or explosion risk.

-SPECIFIC HAZARD: None to our knowledge in normal use.

-EMERGENCY OVERVIEW: Material is nonflammable and nontoxic to most people. Avoid prolonged skin contact. If rash or irritation develops, seek medical attention.

4. FIRST AID

IN SERIOUS ACCIDENTS, CALL A DOCTOR OR MEDICAL EMERGENCY SERVICES.

-ADVICE IN CASE OF:

***INHALATION:** In cases of exposure to high concentrations of vapors, smoke or aerosols. Remove the patient to fresh air and keep warm and quiet.

***SKIN CONTACT:** After skin contact, wash with soap and water.

***EYE CONTACT:** Wash immediately with copious quantities of water, holding the eyelids open for at least 15 minutes. Obtain medical help.

***INGESTION:** Special treatment not usually necessary.

DO NOT INDUCE VOMITING.

-NOTES TO A PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

-FLASHPOINT (OF BASE FLUID): 204 C ASTM D 93.

-EXTINGUISHING MEDIA:

***SUITABLE:** Foam, CO2, powder.

***NOT SUITABLE:** Water jet.

-SPECIFIC HAZARDS: (IN CASE OF FIRE OR EXPLOSION): Incomplete combustion and thermal decomposition produce gases such as carbon monoxide, carbon dioxide, smoke and hydrocarbons.

-SPECIAL FIRE FIGHTING REQUIREMENTS: Because of abundant production of smoke and dangerous fumes, the use of self-contained breathing apparatus is mandatory.

6. ACCIDENTAL RELEASE MEASURES

-PERSONAL PRECAUTIONS: Because of the risk of exposure, wear gloves, goggles and an apron impervious to hydrocarbons. Surfaces are made slippery by the spread of this product.

-ENVIRONMENTAL PRECAUTIONS: Installations should be designed to take all necessary precautions to avoid pollution of water and soil. To minimize risk of pollution, protect sewer inlets from spillage.

-CLEAN UP METHODS:

***RECOVERY:** Use physical means to recover spillage, such as pumping, vacuuming, shoveling, etc. Contain spillage. Do not put into sewers.

-DISPOSAL: Contaminated material should be handled by an authorized waste collector. Dispose in accordance with applicable laws.

7. HANDLING AND STORAGE

-HANDLING:

***TECHNICAL MEASURES:**

-PREVENTION OF WORKER EXPOSURE: In case of possible formation of vapor, mists or aerosols, assure adequate ventilation. Keep away from other combustible materials and oxidizers. Store the product away from food and drink. Do not smoke, eat, or apply cosmetics in areas where this material is used or applied.

-PREVENTION OF FIRE AND EXPLOSION: Rags impregnated with the product, paper or Material used to mop up spillage, present a fire risk. Do not allow these articles to accumulate, dispose of them safely, immediately after use.

***PRECAUTIONS: IN ORDER TO REDUCE THE RISK OF FIRE, DESIGN INSTALLATIONS TO AVOID:**

-Accidental spraying of the product onto hot surfaces or live electrics.
-Prolonged and repeated contact with the skin can provoke skin irritation.

-After contact with the skin wash with soap and water.

-Immediately remove all clothes which have been splashed or soiled.

-Do not breathe vapors, mists or fumes.

-Do not eat, drink, smoke or apply cosmetics when using this material.

***HANDLING ADVICE (INCOMPATIBLE PRODUCTS):**

-Keep away from contact with strong oxidizing agents. Only use in containers, pipework etc., which are resistant to hydrocarbons.

-STORAGE:

***TECHNICAL MEASURES:**

-Store at ambient temperature away from water, moisture and all sources of ignition.

-STORAGE CONDITIONS:

-RECOMMENDATIONS:

-Keep containers closed when not in use. When designing installations, take all measures to avoid pollution of soil and water.

-Avoid non-weatherproof storage.

***INCOMPATIBLE PRODUCTS:** Reacts with strong oxidizers.

-PACKAGING MATERIAL:

-RECOMMENDATION: Do not use containers, pipework, etc., not resistant to hydrocarbons. Preferably keep product in its original packaging. If it is necessary to transfer the material, ensure that all the required labels are on the new packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION.**-PERSONAL PROTECTION EQUIPMENT:**

- *PROTECTION FOR THE HANDS:** Impervious gloves resistant to hydrocarbons.
- *PROTECTION TO THE EYES:** Goggles or safety glasses with side shields, in case of risk of splashing.
- *PROTECTION TO THE SKIN AND OTHER PARTS OF THE BODY:** If necessary, wear mask (respirator), boots, clothing impervious to hydrocarbons, safety shoes for the handling of drums.

-HYGIENE METHODS: Avoid prolonged and repeated contact of the skin. After contact with the skin, wash with soap and water. Do not use abrasive products, solvents or fuels for cleaning. In case of contact with the eyes, wash with copious quantities of water, holding the eyelids open for at least 15 minutes.

9. PHYSICAL AND CHEMICAL PROPERTIES**-APPEARANCE**

- *PHYSICAL STATE:** Grease.
- *COLOR:** White.
- ODOR:** Mild petroleum.
- pH:** No data available.
- SPECIFIC TEMPERATURES FOR CHANGE OF PHYSICAL STATE:**
 - *DROPPING POINT:** Approximately 260 C.
 - *BOILING POINT:** Not determined.
- FLASH POINT OF FLUID PORTION:** 204 C ASTM D 93.
- VAPOR PRESSURE:** Negligible at normal temperatures of storage and use.
- DENSITY:** Approximately 910 Kg/M3 at 20 C.
- SOLUBILITY:**
 - *IN WATER:** Negligible.
 - *IN ORGANIC SOLVENTS:** Soluble in a large number of usual solvents.
- CONSISTENCY, PENETRATION:** 270-290 ASTM D 217.

10. STABILITY AND REACTIVITY

-STABILITY: Product is stable at normal use and storage temperatures in handling and use.

-DANGEROUS REACTIONS:

- *CONDITIONS TO AVOID:** Heat (temperature greater than the flash point): sparks, source of ignition, flames.
- *MATERIALS TO AVOID:** Strong oxidizers.

-DANGEROUS PRODUCTS OF DECOMPOSITION: Products of incomplete combustion or thermal degradation produce more or less toxic gases such as carbon monoxide, carbon dioxide, smoke.

11. TOXICOLOGICAL INFORMATION

FROM THE TOXICOLOGICAL DATA OF THE INDIVIDUAL COMPONENTS AND ADHERING STRICTLY TO THE REGULATORY CRITERIA, THE PRODUCTS SHOULD HAVE THESE CHARACTERISTICS:

-ACUTE TOXICITY:

- *INHALATION:** Unlikely to pose a hazard under normal working conditions.

*SKIN CONTACT: LD 50 > 10g/Kg dermal rabbit.

*INGESTION: LD 50 > 5g/Kg oral rat.

-LOCAL EFFECTS:

*INHALATION: Unlikely under normal working conditions.

*SKIN CONTACT: Depending on the case.

*EYE CONTACT: Depending on the case.

-SENSITIZATION:

*SKIN CONTACT: Depending on the case.

-CHRONIC OR LONG TERM TOXICITY:

*INHALATION: Unlikely under normal working conditions.

*SKIN CONTACT: Following prolonged or repeated exposure, or contact with soiled clothes, characteristic skin lesions can develop (oil acne).

-INGESTION: Chronic effects not known.

-SPECIFIC EFFECTS:

*NON CARCINOGENIC: This product has been formulated from oils and other constituents, which are considered to be non-carcinogenic.

12. ECOLOGICAL INFORMATION

-MOBILITY:

*EARTH: Taking account of its physiochemical properties, the product in general has little mobility in the soil.

*WATER: Insoluble.

-PERSISTENCE AND DEGRADABILITY: Has not been tested.

-ECOTOXICITY: The unused product is not considered as harmful to vegetation. It is considered as a low hazard for aquatic organisms. Data is not known for the used product.

13. DISPOSAL CONSIDERATIONS

-WASTES OR REFUSE:

*APPROPRIATE METHODS FOR ELIMINATION: Waste recovery, recycling or incineration in approved installation.

-HANDLING PRECAUTIONS:

*USED CONTAINERS: Send to an authorized waste disposal contractor or drum recycler/reconditioner. Refer to local regulations.

-HANDLING PRECAUTIONS:

*LOCAL DISPOSAL: Do not allow prolonged skin contact with material. Refer to local regulations.

14. TRANSPORT INFORMATION

This product is not regulated for transportation.

15. REGULATORY INFORMATION

HAZARD LABELING: FOR USE; OR EEC: R-AND S-PHRASES: Not classified. Also refer to local regulations for code of working practice, exposure limits, etc.

16. OTHER INFORMATION

This MSDS was prepared in accordance with the Australian NOHSC regulations and contains safety related information. For other data see product literature.

***ISSUE DATE:** 24 May 2005
***REPLACES MSDS DATE:** 20 March 2002
***MSDS NUMBER:** 4720.01
***REASON FOR REVISION:** Revise Section 1, Header

This data complements the technical bulletin but does not replace it. The information contained herein is based on our knowledge concerning this product as of the date indicated. It is given in good faith. The user however, should be aware of subsequent risks that may arise if this product is used in a manner for which it has not been developed. However, this does not give a dispensation to the user not to have knowledge of and apply the appropriate regulations relating to his business. The sole responsibility lies with the user rather than the producer, the regulatory requirements assembled here are set down simply to help the final user fulfill his statutory obligations, however this listing should not be considered as exhaustive. The user must assure himself that he has taken all necessary steps and followed all regulatory requirements in the use of this material.