



SAFETY DATA SHEET

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Revised edition no : 6

Date : 23 / 9 / 2009

Supersedes : 1 / 5 / 2009

Bel-Ray No-Tox Anti-Seize

64170

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

Trade name : Bel-Ray No-Tox Anti-Seize.
Identification of the product : Grease lubricant.
Use : Food-grade lubricant. NSF H1 Registered Number 126370
Company identification : Bel-Ray Europe S.A.
Avenue Louise, 304
Bruxelles-Brussel B-1050 BELGIUM
Telephone: +32 (0)2 540 84 52

Bel-Ray Company, Inc.
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Farmingdale NJ 07727 United States of America
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Emergency phone no : Europe : +32 (0) 2 201 18 87 Europe Emergency: 112
CHEMTREC: 800-424-9300 (USA); +1 703-527-3887 (outside USA-call collect)

2 HAZARDS IDENTIFICATION

Hazards identification : Not expected to present a significant hazard under anticipated conditions of normal use.

- **Inhalation** : Not expected to be an irritant.
- **Skin contact** : Repeated or prolonged skin contact may cause irritation.
- **Eye contact** : Repeated or prolonged contact may cause irritation.
- **Ingestion** : Not expected to be an irritant.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Components / Impurities : Bel-Ray No-Tox Anti-Seize: Dangerous product.
Mixture : Synthetic oil, Thickener, Additives.

Substance name	Content	CAS No	EC No	Index No	Classification ***
Zinc oxide	: 1 to 5 %	1314-13-2	215-222-5	030-013-00-7	N; R50-53
White mineral oil (petroleum)	: 1 to 5	8042-47-5	232-455-8	----	
Polytetrafluoroethylene	: 25 to 50	9002-84-0	----	----	

*** List of relevant R phrases. See Heading 16 : OTHER INFORMATION

4 FIRST AID MEASURES

First aid measures : If overcome by exposure, remove victim to fresh air immediately. Seek medical advice (show the label where possible).

- **Inhalation** : Remove casualty to fresh air and keep at rest. Call a physician.
- **Skin contact** : Wash skin thoroughly with mild soap and water. Seek medical attention if ill effect or irritation develops.
- **Eye contact** : Immediately flush eyes thoroughly with water for at least 15 minutes. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain emergency medical attention if pain, blinking, tears or redness persist.
- **Ingestion** : Never give anything by mouth to an unconscious person. Rinse mouth with water, do not induce vomiting, call a doctor.

Note to physician : Treat symptomatically.

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5 FIRE-FIGHTING MEASURES

- Flammable class** : Not flammable.
- Hazardous combustion products** : Incomplete combustion may form carbon monoxide, carbon dioxide, gas.
- **Suitable extinguishing media** : Carbon dioxide. Dry powder. Foam.
 - **Unsuitable extinguishing media** : Use of heavy stream of water may spread fire.
- Protection against fire** : Use self-contained breathing apparatus when in close proximity to fire.
- Special procedures** : Fight fire from safe distance and protected location.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Eliminate every possible source of ignition. Ensure adequate ventilation. Ventilate confined spaces before entering. Equip cleanup crew with proper protection.
- Environmental precautions** : Prevent entry to sewers and public waters.
- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it. Take up small spills with dry chemical absorbent. Take up large spills with pump or vacuum. Sweep or shovel spills into appropriate container for disposal. Dispose in a safe manner in accordance with local/national regulations.

7 HANDLING AND STORAGE

- Precautions in handling and storage** : When using, do not eat, drink, or smoke.
To avoid degradation products such as hydrogen fluoride and carbonyl fluoride which may have potential adverse human health effect, do not use at temperatures exceeding 250°C.
- Storage** : Store in dry, cool, well-ventilated area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Keep only in the original container.
- Storage - away from** : Strong oxidizers. Open flame. Sparks. Heat sources. Prolonged exposure to sunlight. Combustible material. Keep away from ignition sources (including static discharges).
- Handling** : Handle in accordance with good industrial hygiene and safety procedures.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection** : Ensure adequate ventilation.
- **Respiratory protection** : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
 - **Hand protection** : Wear suitable gloves resistant to chemical penetration.
 - **Skin protection** : If skin contact or contamination of clothing is likely, protective clothing should be worn.
 - **Eye protection** : Chemical goggles or safety glasses.
 - **Ingestion** : When using, do not eat, drink, or smoke.
- Industrial hygiene** : Handle in accordance with good industrial hygiene and safety procedures.
- Occupational Exposure Limits** :
Polytetrafluoroethylene : TLV[©] -TWA [mg/m³] : (Respirable) 5
Polytetrafluoroethylene : TLV[©] -TWA [mg/m³] : (Total) 10
Polytetrafluoroethylene : OSHA PEL [mg/m³] : (Total) 15
Polytetrafluoroethylene : OSHA PEL [mg/m³] : (Respirable) 5
Zinc oxide : TLV[©] -TWA [mg/m³] : 5 Respirable Dust
Zinc oxide : TLV[©] -TWA [mg/m³] : 10 Total Dust
White mineral oil (petroleum) : TLV[©] -TWA [mg/m³] : 5
When mists can occur, the following are recommended:
Oil Mist, mineral: TLV[©]-TWA [mg/m³]: 5
STEL: 10

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9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Grease.
Colour	: White.
Odo(u)r	: Mild.
Density [kg/m ³]	: 1034
Viscosity	: 231 cSt @40°C (Base oil)
Solubility in water	: Negligible.
Solubility in:	: Oil (partially soluble).
Flash point [°C] (ASTM D 93)	: 232 (449°F) PMCC (Base oil)
Explosion limits	: No reliable data available.
Evaporation rate	: No reliable data available.

10 STABILITY AND REACTIVITY

Stability and reactivity	: Stable under normal conditions.
Hazardous decomposition products	: <ul style="list-style-type: none">• Polytetrafluoroethylene is contained in this product, which may form Hydrogen fluoride (HF) and Carbonyl fluorides from thermal decomposition.• Sulfur/phosphorus organic additive is contained in this product, which may form Hydrogen sulfide from processing or thermal decomposition.• Benzoic acid is contained in this product, which may form Benzene and Phenol from thermal decomposition. Carbon dioxide, carbon monoxide, others.
Materials to avoid	: Strong oxidizers.
Conditions to avoid	: To avoid degradation products such as hydrogen fluoride and carbonyl fluoride which may have potential adverse human heat effect, do not use at temperatures exceeding 250°C. Open flame. Sparks. Heat sources. Prolonged exposure to sunlight. Combustible material. Keep away from ignition sources (including static discharges).

11 TOXICOLOGICAL INFORMATION

Toxicity information	: Product not tested. No reliable data available.
• Inhalation	: Not expected to be an irritant.
• Dermal	: Repeated or prolonged skin contact may cause irritation.
• Ocular	: Repeated or prolonged contact may cause irritation.
• Ingestion	: Not expected to be an irritant.
Rat oral LD50 [mg/kg]	: Product not tested. No reliable data available.
Rabbit dermal LD50 [mg/kg]	: Product not tested. No reliable data available.

12 ECOLOGICAL INFORMATION

Ecological effects information	: This product has not been tested for environmental effects. Low mobility (soil). Material insoluble in water.
Bioaccumulative potential	: Product not tested. No reliable data available.
Persistence - degradability	: Product not tested. No reliable data available.

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13 DISPOSAL CONSIDERATIONS

General : Dispose in a safe manner in accordance with local/national regulations.

14 TRANSPORT INFORMATION

ADR/RID : Not regulated.

IMDG : Not regulated.

15 REGULATORY INFORMATION

EC Classification : R52-53

EC Labelling

• **Symbol(s)** : None.

• **R Phrase(s)** : R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• **S Phrase(s)** : None.

Carcinogen classification : Not listed by NTP, IARC or OSHA.

16 OTHER INFORMATION

Recommended uses and restrictions : Contact the producer or distributor. See product data sheet for detailed application.

List of relevant R phrases (heading 3) : R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Prepared by : Regulatory Department
Bel-Ray Company, Inc.

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