SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material name **No-Tox Food Grade Acid Resistant Grease 2**

Product code 64094

Version No. 1.0

Revision date 24-August-2011

Synonym(s) No-Tox pH L Grease 2

Manufacturer

Bel-Ray Company PTY Limited
4 Ginger Street
Paget, QLD 4740 Australia
749525778
CHEMTREC: 1800 069 100 (AUS)

Bel-Ray Company, Inc.
P.O. Box 526
Farmingdale, NJ 07727
United States of America
+1 732 938 2421
CHEMTREC: 800-424-9300 (USA)
CHEMTREC: +1 703-527-3887 (outside USA - call collect)

NSF Food-grade lubricant. NSF H1 Registered Number 142451.

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	Percent
White mineral oil (petroleum)	8042-47-5	> 60
CALCIUM SULFONATE	70024-69-0	10 - < 30
4-Chloro-3-methylphenol	59-50-7	< 10
Zinc oxide	1314-13-2	< 10
Other components below reportable levels		10 - < 30

4. FIRST-AID MEASURES

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give liquid to an unconscious person.

General advice If you feel unwell, seek medical advice (show the label where possible).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Dry chemicals.

Extinguishing media which must not be used for safety reasons Water. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous combustion products Carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up.

Environmental precautions	Prevent further leakage or spillage if safe to do so.
Containment procedures	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Methods for cleaning up	This product is miscible in water. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Scrub the area with detergent and water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling	Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas.
Storage	Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m3	Mist.

Recommended monitoring procedures

Additional exposure data	Not available.
Engineering measures	General ventilation normally adequate.

Personal protective equipment

Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	Not normally needed.
Eye protection	Chemical goggles are recommended.
Skin and body protection	Normal work clothing (long sleeved shirts and long pants) is recommended.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Gel.
Form	Grease
Colour	Cream
Odour	Mild.
Odour threshold	Not available.
pH	Not available.
Vapour pressure	0 hPa estimated
Density	925 kg/m3
Vapour density	Not available.
Boiling point	360 °C (680 °F) estimated (Base Oil)
Melting point/freezing point	Not available.
Solubility (water)	Negligible
Solubility (other)	Oil
Specific gravity	0.93
Flash point	236 °C (456.8 °F) Pensky-Martens Closed Cup (Base Oil)
Flammability limits in air, upper, % by volume	Not available.

Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	260 °C (500 °F) estimated (Base Oil)
VOC	0.01 % estimated
Viscosity	216 cSt
Percent volatile	0.01 % estimated
Other data	
Drop point	> 260 °C (> 500 °F)
Flammability class	Combustible IIIB estimated
Flash point class	Combustible IIIB
Viscosity temperature	40 °C (104 °F)

10. STABILITY AND REACTIVITY

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Toxicological data

Product	Test results
No-Tox Food Grade Acid Resistant Grease 2 (Mixture)	Acute Oral LD50 Mouse: 6666.67 g/kg estimated Acute Oral LD50 Rabbit: 6666.67 g/kg estimated Acute Other LD50 Mouse: 444.44 g/kg estimated

Components	Test results
4-Chloro-3-methylphenol (59-50-7)	Acute Dermal LD50 Rat: >= 5000 mg/kg Acute Oral LD50 Mouse: 600 mg/kg Acute Oral LD50 Rat: 3636 mg/kg Acute Other LD50 Mouse: 70 mg/kg

Routes of exposure	Not applicable
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

4-Chloro-3-methylphenol (CAS 59-50-7)	2B Possibly carcinogenic to humans.
White mineral oil (petroleum) (CAS 8042-47-5)	3 Not classifiable as to carcinogenicity to humans.

Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductivity	Not classified.
Epidemiology	No epidemiological data is available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Product	Test results
No-Tox Food Grade Acid Resistant Grease 2 (Mixture)	EC50 Daphnia: 157.9 mg/l 48 hours estimated LC50 Fish: 12112.65 mg/l 96 hours estimated

Components	Test results
4-Chloro-3-methylphenol (59-50-7)	EC50 Water flea (Daphnia magna): 1.13 - 1.94 mg/l 48 Hours LC50 Fathead minnow (Pimephales promelas): 1 - 10 mg/l 96 Hours

* Estimates for product may be based on additional component data not shown.

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Mobility	This product is miscible in water.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

National regulations This Material Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. OTHER INFORMATION

Disclaimer Bel-Ray Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date 24-August-2011

This data sheet contains changes from the previous version in section(s): This document has undergone significant changes and should be reviewed in its entirety.