



# SAFETY DATA SHEET

## Section 1: Identification of the substance/mixture and of the company/undertaking

### Product identifier

**Trade name or designation of the mixture** No-Tox Food Grade Extreme Pressure Grease 2

**Product code** 63120

**Registration number** -

**Synonyms** No-Tox EP Grease 2

**Date of first issue** 23-August-2011

**Version number** 1,0

**Revision date** 23-August-2011

**Supersedes date** 14-April-2011

### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Not available.

**Uses advised against** None known.

### Details of the supplier of the safety data sheet

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**NSF** Food-grade lubricant. NSF H1 Registered Number 126341.

## Section 2: Hazards identification

### Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

### Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

### Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

### Hazard summary

**Physical hazards** Not classified for physical hazards.

**Health hazards** Not classified for health hazards.

**Environmental hazards** Not classified for hazards to the environment.

**Specific hazards** Not available.

**Main symptoms** Not available.

### Label elements

### Label according to Regulation (EC) No. 1272/2008 as amended

**Hazard statements** The mixture does not meet the criteria for classification.

## Precautionary statements

<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Supplemental label information</b>	Not applicable.
<b>Other hazards</b>	Not assigned.

## Section 3: Composition/information on ingredients

### Mixture

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
White mineral oil (petroleum)	80 - < 90	8042-47-5 232-455-8		-	#
<b>Classification:</b>	<b>DSD:</b>	-			
	<b>CLP:</b>	-			
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )-	3 - < 5	54326-11-3 259-105-7		-	#
<b>Classification:</b>	<b>DSD:</b>	-			
	<b>CLP:</b>	-			
Zinc oxide	1 - < 3	1314-13-2 215-222-5		-	030-013-00-7
<b>Classification:</b>	<b>DSD:</b>	N;R50-53			
	<b>CLP:</b>	Aquatic Acute 1;H400, Aquatic Chronic 1;H410			

Other components below reportable levels

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Composition comments** The full text for all R- and H-phrases is displayed in section 16.

## Section 4: First aid measures

### Description of first aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	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.

### Most important symptoms and effects, both acute and delayed

Not available.

### Indication of any immediate medical attention and special treatment needed

Not available.

<b>Section 5: Firefighting measures</b>	
<b>General fire hazards</b>	Not available.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Dry chemicals.

<b>Unsuitable extinguishing media</b>	Water. Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special hazards arising from the substance or mixture</b>	Not available.
<b>Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Wear suitable protective equipment.

## Section 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Not available.
<b>For emergency responders</b>	Not available.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods and material for containment and cleaning up</b>	<p>This product is miscible in water.</p> <p>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.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills in original containers for re-use.</p>

<b>Reference to other sections</b>	For personal protection, see section 8.
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## Section 7: Handling and storage

<b>Precautions for safe handling</b>	Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Avoid prolonged exposure.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep away from heat and sources of ignition.
<b>Specific end use(s)</b>	Not available.

## Section 8: Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

##### Belgium. Exposure Limit Values.

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.

##### Bulgaria. OELs. Regulation No 13 of Ministry of Labor & Social Policy, with Ministry of Health, on protection of workers related to exposure to chemical agents at work

Components	Type	Value
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m <sup>3</sup>

##### Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	Ceiling	10 mg/m <sup>3</sup>	Aerosol
	TWA	5 mg/m <sup>3</sup>	Aerosol

##### Denmark. Exposure Limit Values

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	TLV	1 mg/m <sup>3</sup>	Mist.

**Estonia. OELs. Occupational Exposure Limit Values for Hazardous Substances (Minister of Social Affairs Regulation No. 57)**

Components	Type	Value
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (54326-11-3)	TWA	2 mg/m3

**Finland. Workplace Exposure Limits**

Components	Type	Value
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (54326-11-3)	TWA	2 mg/m3

**Greece. OELs (Decree No. 90/1999, as amended)**

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

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

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

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (54326-11-3)	TWA	2 mg/m3	
White mineral oil (petroleum) (8042-47-5)	TWA	1 mg/m3	Mist.

**Ireland. Occupational Exposure Limits**

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	TWA	0,2 mg/m3	Inhalable fraction.

**Italy. OELs**

Components	Type	Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (54326-11-3)	TWA	1 mg/m3	Respirable fraction.
White mineral oil (petroleum) (8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

**Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)**

Components	Type	Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o )- (54326-11-3)	TWA	1 mg/m3	
White mineral oil (petroleum) (8042-47-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

**Netherlands. OELs (binding)**

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

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	TLV	1 mg/m3	Mist.

**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	STEL	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value
White mineral oil (petroleum) (8042-47-5)	STEL	10 mg/m3
	TWA	5 mg/m3

**Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents**

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

**Spain. Occupational Exposure Limits**

Components	Type	Value	Form
White mineral oil (petroleum) (8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

**Sweden. Occupational Exposure Limit Values**

Components	Type	Value	Form
Aluminum, (benzoato-o,o )hydroxy(octadecanoato-o,o ) - (54326-11-3)	TWA	1 mg/m3	Total dust.
White mineral oil (petroleum) (8042-47-5)	STEL	3 mg/m3	Mist.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**DNEL** Not available.

**PNEC** Not available.

**Exposure controls**

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide adequate general and local exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**General information** Not available.

**Eye/face protection** Chemical goggles are recommended.

**Skin protection**

**- Hand protection** Not normally needed.

**- Other** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Respiratory protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Thermal hazards** Not available.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practices.

**Environmental exposure controls** Not available.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Gel.
<b>Physical state</b>	Liquid.
<b>Form</b>	Grease
<b>Colour</b>	White.
<b>Odour</b>	Bland.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	360 °C (680 °F) estimated (Base Oil)
<b>Flash point</b>	236 °C (456,8 °F) Pensky-Martens Closed Cup (Base Oil)
<b>Auto-ignition temperature</b>	260 °C (500 °F) estimated
<b>Flammability (solid, gas)</b>	Not available.
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Oxidising properties</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Explosive limit</b>	Not applicable.
<b>Vapour pressure</b>	0 hPa estimated
<b>Density</b>	888 kg/m <sup>3</sup>
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Negligible
<b>Solubility (other)</b>	Oil
<b>Information on basic physical and chemical properties</b>	
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	104 cSt
<b>Viscosity temperature</b>	40 °C (104 °F)
<b>VOC (Weight %)</b>	0,01 % estimated
<b>Percent volatile</b>	0,01 % estimated
<b>Other data</b>	
<b>Drop point</b>	> 260 °C (> 500 °F)
<b>Flammability class</b>	Combustible IIIB estimated
<b>Specific gravity</b>	0,89
<b>Other information</b>	No relevant additional information available.

## Section 10: Stability and reactivity

<b>Reactivity</b>	Strong oxidizing agents.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Not available.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point.
<b>Incompatible materials</b>	None known.

**Hazardous decomposition products** Hydrogen chloride. Hydrogen cyanide (hydrocyanic acid). At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## Section 11: Toxicological information

**General information** Not available.

### Information on likely routes of exposure

**Ingestion** Not available.

**Inhalation** Not available.

**Skin contact** Not available.

**Eye contact** Not available.

**Symptoms** Not available.

### Information on toxicological effects

**Acute toxicity** Not available.

Product	Test results
No-Tox Food Grade Extreme Pressure Grease 2 (Mixture)	Acute Oral LD50 Mouse: 2630,4253 g/kg estimated
	Acute Oral LD50 Rabbit: 2630,4253 g/kg estimated
	Acute Other LD50 Mouse: 175,3617 g/kg estimated

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

**Skin corrosion/irritation** Not available.

**Serious eye damage/eye irritation** Not available.

**Respiratory sensitisation** Not available.

**Skin sensitisation** Not available.

**Germ cell mutagenicity** Not available.

**Carcinogenicity** Not available.

### IARC Monographs. Overall Evaluation of Carcinogenicity

White mineral oil (petroleum) (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** Not available.

**Specific target organ toxicity - single exposure** Not available.

**Specific target organ toxicity - repeated exposure** Not available.

**Aspiration hazard** Not available.

**Mixture versus substance information** Not available.

**Other information** This product has no known adverse effect on human health.

## Section 12: Ecological information

### Toxicity

Product	Test results
No-Tox Food Grade Extreme Pressure Grease 2 (Mixture)	EC50 Daphnia: 12417,58 mg/l 48 hours estimated
	LC50 Fish: 48769,96 mg/l 96 hours estimated

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

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** Not available.

**Mobility** Not available.

**Environmental fate - Partition coefficient** Not available.

**Mobility in soil** Not available.

**Results of PBT and vPvB assessment** Not available.

**Other adverse effects** Not available.

## Section 13: Disposal considerations

### Waste treatment methods

**Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code** Not available.

**Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

## Section 14: Transport information

### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** No information available.

## Section 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU Regulations

**Other regulations** The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

#### National regulations

Not available.

#### Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## Section 16: Other information

#### List of abbreviations

Not available.

#### References

Not available.

#### Information on evaluation method leading to the classification of mixture

Not available.

#### Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

R50 Very toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

#### Revision information

This document has undergone significant changes and should be reviewed in its entirety.

#### Training information

Not available.

#### 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.

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