



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 Synthetic Extreme Pressure Grease 2

Product code 111245909

Registration number -

Synonyms No-Tox Synthetic EP Grease 2

Date of first issue 06-May-2011

Version number 1,0

Revision date 24-August-2011

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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 135981.

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

Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	Not applicable.
Other hazards	Not assigned.

Section 3: Composition/information on ingredients

Mixture

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
synthetic oils	80-100	Proprietary	-	-	
Classification:	DSD: -				
	CLP: -				
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)-	5 - < 10	54326-11-3 259-105-7	-	-	#
Classification:	DSD: -				
	CLP: -				
Silicon dioxide	1 - < 3	112945-52-5 231-545-4	-	-	
Classification:	DSD: -				
	CLP: -				
Zinc oxide	1 - < 3	1314-13-2 215-222-5	-	030-013-00-7	
Classification:	DSD: N;R50-53				
	CLP: Aquatic Acute 1;H400, Aquatic Chronic 1;H410				

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

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control centre immediately. 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.

Section 5: Firefighting measures

General fire hazards Not available.

Extinguishing media

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

Unsuitable extinguishing media Water. Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture Not available.

Advice for firefighters

Special protective equipment for firefighters Wear suitable protective equipment.

Special firefighting procedures Not available.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Not available.

For emergency responders Not available.

Environmental precautions Prevent further leakage or spillage if safe to do so.

Methods and material for containment and 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.

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.

Reference to other sections For personal protection, see section 8.

Section 7: Handling and storage

Precautions for safe handling Use care in handling/storage.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Use care in handling/storage. Store in accordance with local/regional/national/international regulation.

Specific end use(s) Not available.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

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/m ³

Finland. Workplace Exposure Limits

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

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

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

Italy. OELs

Components	Type	Value	Form
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3	Respirable fraction.

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

Components	Type	Value
Aluminum, (benzoato-o,o)hydroxy(octadecanoato-o,o)- (54326-11-3)	TWA	1 mg/m3

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.

Recommended monitoring procedures Follow standard monitoring procedures.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Not normally needed.

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 No personal respiratory protective equipment normally required.

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

Appearance	Gel.
Physical state	Liquid.
Form	Grease
Colour	White.
Odour	Mild.
Odour threshold	Not available.
pH	Not applicable.
Flash point	266 °C (510,8 °F) Cleveland open cup (Base Oil)
Auto-ignition temperature	395 °C (743 °F) estimated (Base Oil)
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.

Vapour pressure	0 hPa estimated
Density	850 kg/m ³
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Relative density	Not available.
Solubility (water)	Negligible
Solubility (other)	Oil

Information on basic physical and chemical properties

Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	220 cSt (Base Oil)
Viscosity temperature	40 °C (104 °F)
VOC (Weight %)	< 0,1 %
Percent volatile	< 0,1 %

Other data

Drop point	> 260 °C (> 500 °F)
Flammability class	Combustible IIIB estimated
Specific gravity	0,85

Other information No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	None known. Strong oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Incompatible materials	None known.
Hazardous decomposition products	Nitrogen oxides (NO _x). 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 Synthetic Extreme Pressure Grease 2 (Mixture)	Acute Oral LD50 Mouse: 2616,6594 g/kg estimated
	Acute Oral LD50 Rabbit: 2616,6594 g/kg estimated
	Acute Oral LD50 Rat: 44444,4453 g/kg estimated
	Acute Other LD50 Mouse: 174,444 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.
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 Synthetic Extreme Pressure Grease 2 (Mixture)	EC50 Daphnia: 7853,34 mg/l 48 hours estimated LC50 Fish: 29686,55 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.

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