

Material Safety Data Sheet



Super Friction Proofing

Number : W669A030470

Revision : 1.01

Date : 29/09/2006

Replace : 16/06/2003

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

Type of product and use: Oil additive
Chlorine-free antifriction treatment for metal surfaces.

Company identification: WYNN'S BELGIUM N.V.
Industriepark West 46
B-9100 Sint-Niklaas
tel: INT-32-3-766.60.20
fax: INT-32-3-778.16.56

Emergency phone Nr.: BIG 32.(0)14/58.45.45

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Polyolefins in mineral oil.

Hazardous component(s): phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (CAS 68649-42-3 / EINECS 272-028-3)

wt%: < 2.5 Symb: Xi,N R: 38,41,51/53

3. HAZARDS IDENTIFICATION

Important hazards-fire: Combustible

Important hazards-toxicity: Prolonged or repeated contact may cause irritation.

Important hazards-chemical reactions: Not known.

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air and allow to rest.
If material is misted or if vapours are generated from heating, exposure may cause irritation of the mucous membranes and the upper respiratory tract similar to that observed with mineral oil.
Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.

Skin contact: Launder contaminated clothing before reuse.
Wash thoroughly with hot soapy water.

Eye contact: Keep eyelids apart.
Continue rinsing for at least 10 minutes.
If inflammation or irritation persists, seek medical advice.

Ingestion: Do not induce vomiting !
If conscious, give 3 or 4 capsules of active carbon (i.e. NORIT®) together with some water.
Seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

- Suitable: Carbon dioxide, dry chemicals, foam (AFFF/ATC), water spray (fog).
- Not to be used: Water jet.

Firefighting instructions: Use water spray to cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect men attempting to stop a leak.
Try to cover liquid spills with foam (AFFF/ATC).

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Special exposure hazards:	Carbon monoxide vapors emitted in due case of incomplete combustion of the product. Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.
Special protective equipment for fire fighters:	Full protective clothing and self-containing breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Personal Protective Equipment must be worn, see section 8 (Personal Protection). Ensure good ventilation. Spills of the product may cause slippery floors.
Methods for cleaning up:	
- On soil:	Contain spilled liquid with sand or earth. Absorb small spills on dry chemical absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle or disposal.
- On water:	Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.

7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety procedures. Handling temperatures should not exceed 80 °C Ensure good ventilation.
Storage:	Store away from flammable materials. Keep away from heat. Handling temperature: ambient. Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 45°C for extended periods of time or if heat sources in excess of 121°C.
Packaging:	
- General:	Keep preferably in the original packaging; if not, copy all indications of the labelling on the new packaging. DO NOT reuse empty containers without commercial cleaning or reconditioning.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Recommended engineering controls:	Provide mechanical ventilation of confined spaces.
Occupational Threshold limit values (TLV):	Not established. threshold limite value for oil: 5 mg/m ³ (8 hours) = TLV-TWA Short term exposure limite (treshold limite value) for oil: 10 mg/m ³ (15 minutes) = TLV-STEL
Personal protection:	
- Respiratory protection:	In case of insufficient ventilation, use face mask with breathing filter, type: A (ABEK)

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- Skin and hand protection: Handle in accordance with good industrial hygiene and safety procedures.
Long sleeve shirt is recommended.
Appropriate protective clothing and gloves
Nitrile,
Neoprene,
- Eye protection: Safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

These are indicative values only. Please refer also to the product specification sheet.

Appearance:	Brown. Viscous liquid.
Odour:	Mild.
pH :	Not applicable.
Boiling point:	Not yet determined.
Melting point:	Not yet determined.
Flash point:	> 150 °C
Explosion limits:	Not applicable.
Vapour pressure at 20°C:	Not yet determined.
Solubility in water:	Insoluble in water
Oxidising properties:	Not yet determined.
Partition coefficient (P o/w):	Not yet determined.
refractive index at 20°C (ASTM D-1747):	1.4873
DMSO-extract according IP346:	<3%
Viscosity at 40°C (Houillon):	177.58 mm ² /s
Viscosity at 100°C (ASTM 445):	19.61 mm ² /s
Density at 15°C:	902.5 kg/m ³

10. STABILITY AND REACTIVITY

Stability:	Stable in normal conditions of use.
Conditions to avoid:	Store at temperatures below 40 °C
Materials to avoid:	Avoid contact with strong oxidizers.
Hazardous decomposition products:	Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Fumes, smoke, carbon dioxide (CO ₂), carbon monoxide (CO), and nitrogen oxides (NO _x / Toxic). Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

(Based on test with similar products).

Oral LD50 (rat):	> 5000 mg/kg
Dermal LD50 (Rabbit):	> 2000 mg/kg
Inhalation LC50 (Rat/4h):	No information available.
Skin contact:	Not expected to be a primary skin irritant. Based on data from similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis.

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Eye contact:	Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Not irritating.
Ingestion:	Will cause eye discomfort, but will not injure eye tissue. Minimal toxicity.
Skin sensitization test:	May cause nausea and eventually vomiting and diarrhoea.
Mutagenicity and Carcinogenicity:	Studies indicate no evidence of sensitisation. None.

12. ECOLOGICAL INFORMATION

Degradability:	This substance biodegrades slowly. Not readily biodegradable.
Ecotoxicity and bioaccumulation:	Not established. Substances may not meet criteria for ready degradability, however, chronic toxicity studies show no long-term hazard of the aquatic environment.
WGK class (Germany):	2

13. DISPOSAL CONSIDERATIONS

Disposal of product:	Dispose of in a safe manner, in accordance with local regulations. Material, if discarded, not expected to be a characteristic hazardous waste.
Disposal of packaging:	Dispose of in a safe manner, in accordance with local regulations.

14. TRANSPORT INFORMATION

Not classified under this legislation.

15. REGULATORY INFORMATION

EEC labelling information:	The product doesn't need to be labelled in accordance with Directives 67/548/EEG & 1999/45/EG.
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16. OTHER INFORMATION

Sources of key data used:	Raw material suppliers' data sheets were used as key data sources in the preparation of this safety data sheet.
Nature of revision:	New data in Section: 9
Text of R phrases mentioned in Section 2	R 38: Irritating to skin. R 41: Risk of serious damage to eyes. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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This safety data sheet has been made in accordance with the directives 91/155/EEG, 93/112/EEG and 2001/58/EG.

It completes the technical directions for use, but does not replace it.

The data mentioned on these documents are to our knowledge correct on the date of publication and are provided on the assumption that the product will be used as indicated by the manufacturer/supplier. The indication of these safety data, without being considered as complete, helps the user to fulfil his obligations with regard to dangerous substances. The user is obliged to evaluate the product and use it in a safe way in compliance with the effective laws and stipulations. The user has to make sure that all regulations as to human and environmental protection during handling, storage and use of the products are observed.