SAFETY DATA SHEET
GT GOLVPOLISH

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Date issued	21.03.2012

1.1. Product identifier

Product name	GT GOLVPOLISH
Article no.	62510502 3x5 liter

1.2. Relevant identified uses of the substance or mixture and uses advised against

Function	Floor polish
Use of the substance/preparation	For maintenance and surface protection of hard floors.
Relevant identified uses	SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC31 Polishes and wax blends PROC10 Roller application or brushing ERC8A Wide dispersive indoor use of processing aids in open systems

1.3. Details of the supplier of the safety data sheet

Company name	Nilfisk Advance
Postal address	Box 44045
Postcode	S 100 73
City	Stockholm
Country	Sweden
Tel	+46 8 555 944 00
Fax	+46 8 555 944 30
E-mail	info.se@nilfisk.com
Website	http://www.nilfisk.se
Enterprise no.	516402-6915
Contact person	Thorbjörn Gustafsson

1.4. Emergency telephone number

Emergency telephone	In Sweden national poison info center:www.giftinformation.se 112

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Substance / mixture hazardous properties	Not regarded as a health or environmental hazard under current legislation.

2.2. Label elements

R-phrases	—
S-phrases	—

2.3. Other hazards

Description of hazard	No particular fire or explosion hazard.
Environmental effects	Classification: The product presents no particular risk to the environment. This product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Diethyleneglycol monoethyleter	CAS no.: 111-90-0 EC no.: 203-919-7		2 - 3 %
Ethylene glycol	CAS no.: 203-473-3 EC no.: 107-21-1	Xn; R22	0,2 - 0,5 %
TBEP tris(2-butoxyethyl)phosphate	CAS no.: 78-51-3 EC no.: 201-122-9		1 - 2 %
Polyethermodified Trisiloxane	CAS no.: 27306-78-1 EC no.: —	Xn,N; R20/21,R38,R41, R51/53	0,2 - 0,5 %
Acrylatecopolymer, Zn-complex	CAS no.: — EC no.: polymer		10 - 12,5 %
Resin	CAS no.: 92202-14-7 EC no.: 296-047-1	Xi; R36,R43	0,5 - 1 %
Polyalkane wax	CAS no.: — EC no.: Polymer		1 - 3 %
Isotridekanolethoxylate	CAS no.: 69011-36-5 EC no.: Polymer	Xn,Xi; R22,R41 Acute tox. 4; H302; Eye Dam. 1; H318;	0,3 - 0,7 %

Column headings	CAS no. = Chemical Abstracts Service; EU (Einecs or Elincs number) = European inventory of Existing Commercial Chemical Substances; Ingredient name = Name as specified in the substance list (substances that are not included in the substance list must be translated, if possible). Contents given in; %, %wt/wt, %vol/wt, %vol/vol, mg/m3, ppb, ppm, weight%, vol%
HH/HF/HE	T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritating, E = Explosive, O = Oxidizing, F+ = Extremly flammable, F = Very flammable, N = Environmental hazard
Description of the mixture	The product is a water solution.
Substance comments	The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Always seek medical advice if any ill effects occur or there are persistent symptoms. Never give anything by mouth to an unconscious person. If possible, show this SDS or the label to the medical personal .
Inhalation	Fresh air and rest.
Skin contact	Rinse and wash the skin with plenty of water.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Seek medical advice if persistant symptoms appear.
Ingestion	Rinse mouth with water. Drink one or two glasses of milk or water. Do not induce vomiting. Seek medical advice if a large amount has been swallowed or if vomiting, illness or other symptoms occur.
Recommended personal protective equipment for first aid responders	No recommendation given.

4.2. Most important symptoms and effects, both acute and delayed

Information for health personnel	Treat Symptomatically.

4.3. Indication of any immediate medical attention and special treatment needed

Other Information	No recommendation given.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Improper extinguishing media	—

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable.
Hazardous combustion products	No recommendation given.

5.3. Advice for firefighters

Personal protective equipment	No recommendation given.
Fire fighting procedures	No recommendation given.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Avoid contact with skin and eyes. Wear necessary protective equipment.

6.1.1. For non-emergency personnel

Personal precautions	No recommendation given.

6.1.2. For emergency responders

For emergency responders	No recommendation given.

6.2. Environmental precautions

Environmental precautionary measures	Prevent large quantities entering drains, groundwater, surface waters or soil.

6.3. Methods and material for containment and cleaning up

Cleaning method	Small quantities can be dissolved/diluted in water and flushed to drain. Large Spillages: Absorb with sand or other inert absorbent. Flush contaminated area with plenty of water.
Clean up	Small quantities can be washed away with plenty of water. Large quantities are to be contained in sand or absorbent material and transfered to container for disposal or recovery in accordance with local regulations. Inform the local authorities.

6.4. Reference to other sections

Other instructions	Individual protection measures, such as personal protective equipment: see section 8. Waste treatment methods: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Handle in accordance with good occupational hygiene and safety practices. Avoid repeated or long contact with unprotected skin. Always follow the directions for use.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Always store in the original container and keep the container closed. Store dry in normal room temperature, not in direct sunlight or at elevated temperatures. Store above freezing.

Conditions for safe storage

Storage Stabilit	The original package gives a shelf life of at least 30 months.

7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

Substance	Identification	Value	TWA Year
Dietylenglykolmonoetyleter CAS# 111-90-0	CAS no.: 111-90-0 EC no.: 203-919-7	8-hour TWA: 15 ppm H Dermal absorbtion 8-hour TWA: 80 mg/m³ H Dermal absorbtion 15 min.: 30 ppm H 15 min.: 170 mg/m³ H	
Ethylene glycol	CAS no.: 203-473-3 EC no.: 107-21-1	8-hour TWA: 10 ppm 8-hour TWA: 25 mg/m³ 15 min.: 20 ppm 15 min.: 50 mg/m³ H dermal absorbtion	

Exposure limits

Substance	Dietylenglykolmonoetyleter CAS# 111-90-0
Exposure limits	Type: 80 mg/m3 Country of origin: European Union OEL Short Term Value: 170 mg/m3 EC no.: 203-919-7 CAS no.: 111-90-0
Other Information about threshold limit values	No recommendation given.

DNEL / PNEC

Summary of risk management measures, human	No recommendation given.
Summary of risk management measures, environment	No recommendation given.

8.2. Exposure controls

Respiratory protection

Respiratory protection	Respiratory protection not required.

Hand protection

Hand protection	For prolonged or repeated skin contact use suitable protective gloves.
Suitable gloves type	Neoprene, nitrile, polyethylene or PVC.

Eye / face protection

Eye protection	Goggles/face shield are recommended.

Skin protection

Skin protection (except hands)	Wear suitable protective clothing.

Thermal hazards

Thermal hazards	—

Appropriate environmental exposure control

Environmental exposure controls	No recommendation given.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	White. Milky.
Odour	Acrylate
pH (as supplied)	Value: ~ 8,8
pH (aqueous solution)	Value: ~ 8,8

Comments, pH (aqueous solution)	@100%
Melting point/melting range	Value: ~ 0 °C
Boiling point / boiling range	Value: ~ 100 °C
Flash point	Value: > 60 °C
Comments, Flash point	Non-flammable.
Comments, Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Comments, Explosion limit	Not determined.
Comments, Vapour pressure	Not determined.
Comments, Vapour density	Not determined.
Specific gravity	Value: 1020 kg/m³
Solubility description	Completely soluble in water.
Comments, Partition coefficient: n-octanol / water	Not determined.
Comments, Spontaneous combustability	Not determined.
Comments, Decomposition temperature	Not determined.
Viscosity	Value: < 1 cP 20°C
Explosive properties	N/A
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

Physical hazards

Odour limit	Not determined.

Other physical and chemical properties

Comments	Information given concerns the concentrated solution.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No recommendation given.

10.4. Conditions to avoid

Conditions to avoid	No recommendation given.

10.5. Incompatible materials

Materials to avoid	No recommendation given.

10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data	Toxicological information on ingredients.

Toxicological data for substances

Substance	Diethyleneglycol monoethyleter
LD50 oral	Value: = 10.502 mg/kg Animal test species: Rat
LD50 dermal	Value: = 9.143 mg/kg Animal test species: Rabbit

LC50 inhalation	Value: > 200 mg/l Animal test species: Rat
Acute toxicity	Inhalation: Gas or vapour in high concentrations may irritate respiratory system. Skin: May be absorbed through the skin. Slightly irritating. Eye: Slightly Irritating. Ingestion: May cause discomfort if swallowed.
Respiratory or skin sensitisation	Dermal: Does not cause sensitization.
CMR effects	Germ cell mutagenicity : No known chronic or acute health risks. Carcinogenicity: IARC: No known chronic or acute health risks. Reproductive toxicity: No known chronic or acute health risks.
STOT-single exposure	Not determined.
Carcinogenicity	IARC: No known chronic or acute health risks.
Mutagenicity	No known chronic or acute health risks.
Reproductive toxicity	No known chronic or acute health risks.
Substance	Ethylene glycol
LD50 oral	Value: > 2000 mg/kg Animal test species: Rattus
LD50 oral	Value: > 2000 mg/kg Animal test species: Rabbit
Acute toxicity	Inhalation: No specific health warnings noted. Skin: Not Irritating. Eye: Not Irritating. Ingestion: No harmful effects expected in amounts likely to be ingested by accident.
Substance	TBEP tris(2-butoxyethyl)phosphate
CMR effects	Germ cell mutagenicity : No known chronic or acute health risks. Carcinogenicity: No known chronic or acute health risks. Reproductive toxicity: No known chronic or acute health risks.
STOT-single exposure	No recommendation given.
STOT-repeated exposure	No recommendation given.
Aspiration hazard	No recommendation given.
Carcinogenicity	No known chronic or acute health risks.
Mutagenicity	No known chronic or acute health risks.
Reproductive toxicity	No known chronic or acute health risks.
Substance	Polyethermodified Trisiloxane
LD50 oral	Value: 3200 mg/kg Animal test species: Rattus
LD50 dermal	Value: 1550 mg/kg Animal test species: Rabbit
LC50 inhalation	Value: 1,08 mg/l Animal test species: Rattus Duration: 4h OECD 403
Acute toxicity	Skin: Slightly irritating. Rabbit. Eye: Strongly irritating. Rabbit.
Respiratory or skin sensitisation	Dermal: Does not cause sensitization.
CMR effects	Germ cell mutagenicity : No known chronic or acute health risks. Carcinogenicity: No known chronic or acute health risks. Reproductive toxicity: No known chronic or acute health risks.
STOT-single exposure	No information required.
Carcinogenicity	No known chronic or acute health risks.
Mutagenicity	No known chronic or acute health risks.
Reproductive toxicity	No known chronic or acute health risks.
Substance	Acrylatecopolymer, Zn-complex
LD50 oral	Value: > 2000 mg/kg Animal test species: rat

Acute toxicity	Skin: Not Irritating. OECD 404
Acute toxicity	Skin: May cause irritation. Eye: Irritating.

Other information regarding health hazards

General	Toxicological information not available for the product, only for the components.

Potential acute effects

Inhalation	No known chronic or acute health risks.
Skin contact	No known chronic or acute health risks.
Eye contact	Eye contact can cause tears and pain.
Ingestion	May cause pain in mouth and throat and if a large amount has been swallowed illness and vomiting

Delayed effects / repeated exposure

Sensitisation	No known chronic or acute health risks.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity	No known chronic or acute health risks.
Mutagenicity	No known chronic or acute health risks.
Teratogenic properties	No known chronic or acute health risks.
Reproductive toxicity	No known chronic or acute health risks.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Ecotoxicological information not available for the product, only for the components. Not classified as dangerous to the environment.
Aquatic, comments	Ecotoxicological information not available for the product, only for the components.

Toxicological data for substances

Substance	Diethyleneglycol monoethyleter
Acute aquatic, fish	Method of testing: LC50 Species: Pimephales promelas Duration: 96h
Acute aquatic, algae	Value: > 10000 mg/l Method of testing: IC50 Species: Artemia salina Duration: 72h
Acute aquatic, Daphnia	Value: 3340 mg/l Method of testing: LC50 Species: Daphnia magna Duration: 48h
Persistence and degradability	The product is more than 80% biodegradable. This substance is not considered to be a PBT (Persistent, Bioaccumulating or Toxic) substance. This substance is not considered to be vPvB (very Persistent nor very Bioaccumulating)
Biodegradability	Value: 90 Test period: 28d Method of testing: % OECD 301E
Bioaccumulation	Bioaccumulation: Is not expected to be bioaccumulable.
Distribution coefficient	Value: 0,54 Method of testing: log Pow
Substance	Ethylene glycol
Acute aquatic, fish	Method of testing: LC50 Duration: 96h
Acute aquatic, algae	Value: > 10000 mg/l

	Method of testing: EC50 Duration: 72h
Acute aquatic, Daphnia	Value: > 10000 mg/l Method of testing: LC50 Duration: 48h
Persistence and degradability	The substance is readily biodegradable.
Bioaccumulation	Will not bio-accumulate.
Bioconcentration factor (BCF)	Value: < 10
Substance	TBEP tris(2-butoxyethyl)phosphate
Acute aquatic, fish	Method of testing: LC50 (OECD 203; ISO 7346; 84/449 Species: Brachydanio rerio Duration: 96h
Acute aquatic, Daphnia	Value: 10 -100 mg/l Method of testing: EC50 Species: Daphnia magna Duration: 48h
Aquatic, comments	Microorganisms/Effect on activated sludge: EC 0 > 1,000 mg/l, bacteria
Persistence and degradability	The product is biodegradable. This substance is not considered to be a PBT (Persistent, Bioaccumulating or Toxic) substance. This substance is not considered to be vPvB (very Persistent nor very Bioaccumulating)
Biodegradability	Value: > 60 Test period: 28d Method of testing: % OECD 302B
Bioaccumulation	Bioaccumulation: Is not expected to be bioaccumulable.
Distribution coefficient	Value: 3,75 Method of testing: Log Kow
Substance	Polyethermodified Trisiloxane
Acute aquatic, fish	Method of testing: LC50 Species: rainbow trout
Acute aquatic, algae	Value: 152,2 mg/l Method of testing: EC50, growth rate Species: Scenedesmus subspicatus
Acute aquatic, Daphnia	Value: 1,1 mg/l Method of testing: EC50 Species: Daphnia magna
Persistence and degradability	The product is potentially degradable. This product is expected to be not readily biodegradable.
Bioaccumulation	Bioaccumulation: Is not expected to be bioaccumulable.
Substance	Acrylatecopolymer, Zn-complex
Acute aquatic, fish	Method of testing: LC50 Species: Leuciscus idus Duration: 96h
Biodegradability	Value: > 90 Test period: 28d Method of testing: % OECD 302B / ISO 98888

12.2. Persistence and degradability

Persistence and degradability	All organic components are considered biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation: Is not expected to be bioaccumulable.

12.4. Mobility in soil

Mobility	Not entered.

12.5. Results of PBT and vPvB assessment

PBT assessment results	This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Environmental details, summation	No recommendation given.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Small amounts can be flushed away to proper sewers with plenty of water (1:100). Large amounts are disposed of in accordance with relevant local regulations. Product residues are not harmfull to the environment. Emptied and cleaned packaging can be recycled or burned in proper incinerator.
Product classified as hazardous waste	No
Packaging classified as hazardous waste	No
EWC waste code	EWC: 200130 detergents other than those mentioned in 20 01 29
Other Information	Used cleaning solution in normal use concentration can be let out in ordinary sewer system.

SECTION 14: Transport information

14.1. UN number

Comments	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2. UN proper shipping name

Comment	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.3. Transport hazard class(es)

Comment	Not relevant.

14.4. Packing group

Comment	Not relevant.

14.5. Environmental hazards

Comment	The product is assessed and classified as "no environmental hazard".

14.6. Special precautions for user

Special safety precautions for user	No recommendation given.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Additional information.

Additional information.	Not relevant.

SECTION 15: Regulatory information

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

EEC-directive	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
Legislation and regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council

	of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Content according to Regulation (EC) No 648/2004: <5% non-ionic surfactants, acrylic polymer, wax, glycol ether, phosphate ester, resin, glycol, water The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). Safety Data Sheet (SDS) according to commission regulation (EU) no 453/2010 annex I.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No

SECTION 16: Other information

List of relevant R-phrases (under headings 2 and 3).	R38 Irritating to skin. R43 May cause sensitization by skin contact. R36 Irritating to eyes. R51/53 Toxic to aquatic organisms, may cause long-term adverseeffects in the aquatic environment. R22 Harmful if swallowed. R20/21 Harmful by inhalation and in contact with skin. R41 Risk of serious damage to eyes.
List of relevant H-phrases (Section 2 and 3).	H318 Causes Serious eye damage. H302 Harmful if swallowed.
Information which has been added, deleted or revised	New edition in accordance with Commission Regulation (EU) 453/2010 regarding Safety Data Sheets (SDS). No change in classification.
Responsible for safety data sheet	Nilfisk Advance
Prepared by	Ulrika Dahlin