



SAFETY DATA SHEET

Evo

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

PRODUCT NAME	Evo
PRODUCT NO.	173-5
APPLICATION	Polish
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2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

PHYSICAL AND CHEMICAL HAZARDS

Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
ALUMINIUM OXIDE	215-691-6	1344-28-1	30-60%	-
C9-11 Alcohol 12EO		68439-46-3	1-5%	Xn;R22. Xi;R41.
LIQUID PARAFFIN	232-455-8	8042-47-5	5-10%	-
ODOURLESS KEROSENE	265-149-8	64742-47-8	10-30%	Xn;R65. R66.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

SKIN CONTACT

Wash skin with soap and water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

SPECIFIC HAZARDS

Oxides of: Carbon.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Do not contaminate water sources or sewer. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid inhalation of vapours. During application and drying, solvent vapours will be emitted.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ALUMINIUM OXIDE	WEL		4 mg/m3			
LIQUID PARAFFIN	WEL		5 mg/m3		10 mg/m3	
ODOURLESS KEROSENE	WEL		1000 mg/m3			

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

HAND PROTECTION

Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Nitrile. Neoprene. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

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9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous Emulsion		
COLOUR	White		
ODOUR	of solvents		
SOLUBILITY	Immiscible with water Miscible with: Hydrocarbons.		
RELATIVE DENSITY	1.380 (20°C)	FLASH POINT (°C)	62 CC (Closed cup).
VOLATILE ORGANIC COMPOUND (VOC)	262 g/litre		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

This product has low toxicity. Only large volumes may have adverse impact on human health. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

Vapour may irritate respiratory system or lungs.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

May cause defatting of the skin, but is not an irritant.

EYE CONTACT

May cause temporary eye irritation.

HEALTH WARNINGS

This product has low toxicity. Only large volumes may have adverse impact on human health.

MEDICAL SYMPTOMS

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

MEDICAL CONSIDERATIONS

Not known.

Name	C9-11 Alcohol 12EO
Toxic Dose 1 - LD 50	> 1,500 mg/kg (oral rat)
Name	ODOURLESS KEROSENE
Toxic Dose 1 - LD 50	>15,000 mg/kg (skn-rat)
Toxic Dose 2 - LD 50	3,160 mg/kg (oral rat)
Name	ALUMINIUM OXIDE
Toxicological information	
No data recorded.	
Name	LIQUID PARAFFIN
Toxic Dose 1 - LD 50	> 5,000 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

ECOTOXICITY

No negative effects on the aquatic environment are known. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

MOBILITY

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product has poor water-solubility.

Evo**BIOACCUMULATION**

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

DEGRADABILITY

The product contains substances which are not expected to be biodegradable.

WATER HAZARD CLASSIFICATION**WGK 1**

Name C9-11 Alcohol 12EO

LC 50, 96 Hrs, FISH mg/l >1

Mobility

The product is soluble in water.

Bioaccumulation potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

The product is biodegradable.

Name ODOURLESS KEROSENE

LC 50, 96 Hrs, FISH mg/l > 1,000

Mobility

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

Bioaccumulation potential

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

Degradability

Volatile substances are degraded in the atmosphere within a few days.

Name ALUMINIUM OXIDE

Mobility

Not considered mobile.

Bioaccumulation potential

Accumulates in soil and sediment.

Degradability

The product is not biodegradable.

Name LIQUID PARAFFIN

Mobility

The product is insoluble in water and will spread on the water surface.

Bioaccumulation potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

The product is expected to be slowly biodegradable.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

The packaging must be empty (drop-free, when inverted)

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

14 TRANSPORT INFORMATION**GENERAL**

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

No transport warning sign required.

15 REGULATORY INFORMATION**RISK PHRASES**

NC Not classified.

SAFETY PHRASES

P13 Safety data sheet available for professional user on request.

S23 Do not breathe vapour/spray.

S37 Wear suitable gloves.

S51 Use only in well-ventilated areas.

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DETERGENT LABELLING

< 5%	Non-ionic surfactants Anionic surfactants
Contains	BRONOPOL (INN), 1,2-BENZISOTHIAZOL-3(2H) -ONE, 2-methyl-2H-isothiazol-3-one

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC. 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.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

NATIONAL REGULATIONS

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

16 OTHER INFORMATION

GENERAL INFORMATION

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.
Only trained personnel should use this material.

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE 25/11/2010

REV. NO./REPL. SDS GENERATED 5

RISK PHRASES IN FULL

R22	Harmful if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.

DISCLAIMER

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.