

N O R D F Ä R G

SAFETY DATA SHEET

GRUND

1) IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- | | | |
|-----|---|--|
| 1.1 | <u>Production Identifier</u>
Product name | Nordfärg Grund |
| 1.2 | <u>Relevant identified uses of the substance or mixture and uses advised against</u>
Identified uses | Coating primer |
| 1.3 | <u>Details of the supplier of the safety data sheet</u> | eicó Paints Limited
861 - 863 Fulham Road
London, UK - SW6 5HP
+0845 073 9432 |
| 1.4 | <u>Emergency telephone number</u> | Contact National Centre via Hospital or Registered Medical Practitioner. |

2) HAZARDS IDENTIFICATION

- | | | |
|-----|--|--|
| 2.1 | <u>Classification of the substance or mixture</u> | |
| | Physical hazards | Not classified |
| | Health hazards | Not classified |
| | Environmental hazards | Not classified |
| 2.2 | <u>Label elements</u> | Labelling according to Regulation (EC) No. 1272/2008 [CLP] |
| | Precautionary statements
P102 | Keep out of reach of children. |
| | Special rules for supplemental label elements for certain mixtures
Not applicable | |
| 2.3 | <u>Other hazards</u> | None |

3) COMPOSITION/INFORMATION ON INGREDIENTS

- | | | |
|-----|--|------|
| 3.2 | <u>Mixtures</u>
Hazardous ingredients | None |
|-----|--|------|

4) FIRST-AID MEASURES

- | | | |
|-----|---|--|
| 4.1 | <u>Description of first-aid measures</u>
General | |
|-----|---|--|

N O R D F Ä R G

SAFETY DATA SHEET

GRUND

In case of an accident or if feeling any discomfort seek medical assistance immediately. Never attempt to give an unconscious person anything orally. If casualty is unconscious, place in a position that eases breathing and consult a physician.

Inhalation

Remove affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion

If swallowed seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

Skin contact

Remove contaminated clothing immediately. Wash skin thoroughly with soap and water. Do not use solvents or thinners.

Eye contact

Rinse immediately with plenty of water for 15 minutes with open eyelids. Remove contact lenses if any and continue rinsing. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and specific treatment needed

None

5) FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, carbon dioxide (CO₂), extinguishing powder, water mist.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards

Substance will produce dense black smoke. Exposure to decomposed products can prove to be a health hazard.

Hazardous combustion products

Thermal decomposition or combustion may liberate Carbon Monoxide, Carbon Dioxide (CO₂) combustion and Nitrogen Oxide (NO_x).

5.3 Advice for firefighters

N O R D F Ä R G

SAFETY DATA SHEET

GRUND

Protective actions during firefighting

Cool containers exposed to heat with a water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Use protective equipment appropriate for surrounding materials and respirator.

6) ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures
Remove potential sources of ignition. Do not inhale fumes. See protective measures under points 7 and 8 of this safety data sheet.
- 6.2 Environmental precautions
Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains inform responsible authorities.
- 6.3 Methods and materials for containing and cleaning up
Prevent spread and control spills (by containment or installing oil booms) immediately. Absorb-ing spillage with non-combustible, absorbent materials, eg. sand, earth, vermiculite, diato-maceous earth, and place in container for disposal according to local regulations (under point 13 of this safety data sheet). Clean with detergents. Avoid solvent cleaners.
- 6.4 Reference to other sections
None

7) HANDLING AND STORAGE

- 7.1 Precautions for safe handling
Avoid contact with skin, eyes and clothing. Avoid inhalation of gases, vapour or spray. Do not eat, drink or smoke when using. See personal protection measures under section 8 of this safety data sheet.
Never forcefully empty the container with pressure, keep substance in original container. Comply with safety and health conditions. Do not allow to enter groundwater, drains or sewage, not even in small quantities.
- 7.2 Conditions for safe storage, including any incompatibilities
Store away from oxidising agents, strong alkalic and strong acidic materials to prevent exothermic reactions.

Storage area and container requirements
Keep container tightly sealed in a well-ventilated space at temperatures between 5°C and 35°C. Store away from sources of heat and direct sunlight. When using do not smoke. Only allow access to authorized staff. Prevent leaks and consequent groundwater pollution.
- 7.3 Specific end uses
None specified

N O R D F Ä R G

SAFETY DATA SHEET

GRUND

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
None

8.2 Measures to control exposure
Appropriate engineering controls
Ensure there is good ventilation by using local or general exhaust air collection. If not sufficient to keep the solvent vapour concentration below the exposure limits a breathing apparatus must be worn.

Personal protection

Eye and face protection Wear suitable eye protection, tightly fitting safety glasses.

Skin protection

Hand protection Wear chemical resistant safety gloves.
Suitable material PVC, NBR (Nitrile rubber), neoprene, butyl rubber
Required characteristics DIN EN 374
Breakthrough time 480min (maximum wearing time)
Thickness of glove material ±0.1/0.4mm
Additional hand protection Wear protective gloves for each use, regularly checking their condition.
Use skin cleaning and skin care products after use.

Body protection

Not required

Respiratory protection

When spraying use air fed respirator. For other operations, in well ventilated areas, air-fed respirators can be replaced with a combination of charcoal filter and particulate filter mask.

Environmental exposure

Do not discharge into drains or surface water.

9) PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	White transparent
Odour	Noticeable
Odour threshold	No data available
PH value	7-9
Melting point/range	ca. 0°C
Boiling point/range	ca. 100°C
Flash point	>100°C
Evaporation rate	No data available
Flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure (20°C)	No data available
Relative vapour density (20°C)	No data available
Density (20°C)	0.95 - 1.05g/cm ³
Water solubility (20°C)	100 Wt %
Log PO/W	No data available
Ignition temperature	No data available
Decomposition temperature	No data available

N O R D F Ä R G

SAFETY DATA SHEET

GRUND

Viscosity (20°C)	ca. 500mPa·s
Explosive properties	No data available
Oxidising properties	No data available

The product has not been tested on the properties that are listed on the safety data sheet as "No data available".

9.2 Other information No

10) STABILITY AND REACTIVITY

- 10.1 Reactivity
There are no known reactivity hazards associated with this product.
- 10.2 Chemical stability
Stable at normal ambient temperatures and when used as recommended. See storage and handling measures under points 7 of this safety data sheet.
- 10.3 Possibility of hazardous reactions
Avoid oxidising agents, strong alkalic and strong acidic materials to prevent exothermic reactions.
- 10.4 Conditions to avoid
Avoid high temperatures; may produce hazardous decomposition products such as carbon monoxide, carbon dioxide (CO₂) and nitrogen oxides (NO_x).
- 10.5 Incompatible materials
There is no information available.
- 10.6 Hazardous decomposition products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11) TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
There is no information available

12) ECOLOGICAL INFORMATION

Ecotoxicity	Avoid release into the environment. Refer to special safety instructions.
Toxicity	No data recorded
Persistence and degradability	No data recorded
Bioaccumulative potential	No data recorded
Mobility in soil	No data recorded
Results of PBT and vPvB assessment	No data recorded
Other adverse effects	None known

N O R D F Ä R G

SAFETY DATA SHEET

GRUND

13) DISPOSAL CONSIDERATIONS

Waste treatment methods

Avoid release to the environment. Refer to special safety instructions. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and hazardous waste. Contaminated packaging must be emptied and can be recycled following appropriate cleaning. Unclean packaging should be disposed of in the same manner as the medium.

14) TRANSPORT INFORMATION

General

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

UN Number

Not applicable

UN proper shipping name

Not applicable

Transport hazard class(es)

Not applicable

Packing group

Not applicable

Environmental hazards

Environmentally hazardous substances

No

Marine pollutant

No

Special precautions for user

Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15) REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
None

15.2 Chemical safety assessment
No chemical safety assessment has been carried out.

N O R D F Ä R G

SAFETY DATA SHEET

GRUND

16) OTHER INFORMATION

16.1 Indication of changes

02. Classification of the substance or mixture · 02. 02. Label elements · Labelling according to Regulation (EC) 1272/2008 [CLP] · 02. Special rules for supplemental label elements for certain mixtures · 02. Labelling (67/548 / EEC or 1999/45 / EC) · 02. Classification (67/548 / EEC or 1999/45 / EC) - Hazard-determining component(s) of labelling · 02. Special designation for certain preparations · 03. Hazardous components.

16.2 Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM	American Society of Testing and Materials (US)
ATE	Acute Toxicity Estimate
CAS No	Chemical Abstracts Service Number (see ACS - American Chemical Society)
CLP	Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL	Derived No-Effect Level
DT50	Degradation Time for 50% of a compound
EbC50	Median effective concentration (biomass, eg. of algae)
EC50	Median effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substance
ELINCS	European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50	Median effective concentration (growth rate, eg. of algae)
EUH Statement	CLP-specific Hazard statement
EWC	European Waste Catalogue
IATA	International Air Transport Association
IC50	Concentration that produces 50% inhibition
IMDG	International Maritime Dangerous Goods Code
IMO	International Maritime Organization
LC50	Concentration required to kill 50% of test organisms
LD50	Dose required to kill 50% of test organisms
LEL	Lower Explosive Limit/Lower Explosion Limit
LOAEL	Lowest Observed Adverse Effect Level
MRL	Maximum Residue Limit
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative or Toxin
PNEC	Predicted Non Effect Concentration
RRN	REACH Registration Number
STEL	Short-Term Exposure Limit
TWA	Time-Weighted Average
vPvB	Very Persistent and Very Bioaccumulative