

# SAFETY DATASHEET

## 1. Identification of the substance/preparation and of the company/undertaking

Date issued	24/08-2006
Product name	Active Rust Primer 662 SG (Enviro-coat 2000)
Use of the substance/preparation	Rust-preventing primer.

### Importer

Company name	Nortrade AS
Postal address	PO box 181
Postcode	4662
Place name	Kristiansand
Country	NORWAY
Tel	+4738023079
Fax	+4738026744
E-mail	enviro-coat@nortrade.no
Prepared by	Hydro Production Partner AS (Norsk Hydro ASA), Roar Eriksen
Emergency telephone	tel:+47 38 02 30 79

## 2. Composition/information on ingredients

CAS no.	EC no.	Component name	Contents	Labelling/classification
112-34-5	203-961-6	2-(2-Butoxyethoxy)ethanol	1- 2.5 %	Xi; R36
		Aqueous solution of copolymer of ethylenically	0- 1 %	Xi; R36/38
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+ = Extremely flammable, F = Very flammable, N = Environmental hazard			
Component comments	See section 16 for the full text of the R Phrases declared above.			

## 3. Hazards identification

Hazard description	The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments. HEALTH: No known significant effects or critical hazards. FIRE AND EXPLOSION: No specific hazard. The product is non-flammable. ENVIRONMENT: The product is not known to represent any danger for the environment.
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## 4. First aid measures

Inhalation	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
Skin contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

## 5. Fire-fighting measures

Suitable extinguishing media	In case of fire, use water spray (fog), foam, dry chemical, or CO <sub>2</sub> .
Fire and explosion hazards	No specific hazard.
Personal protection equipment	Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## 6. Accidental release measures

Personal precautions	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
Environmental precautions	Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.
Methods for cleaning	If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## 7. Handling and storage

Handling	Keep to the general safety and health regulations and to good housekeeping standards. Always keep the product in containers made of the same material as the supply container. See Section 8 for personal protection.
Storage	Observe label precautions. Store in a cool (5 - 50°C) dry, well ventilated place away from sources of heat, ignition and direct sunlight.

## 8. Exposure controls/personal protection

### Exposure controls

Occupational exposure controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Respiratory protection	A respirator is not needed under normal and intended conditions of product use.
Hand protection	Use latex gloves. Penetration time is not tested for this material, change gloves often. The penetration time might vary with exposure time, the type of work and the thickness of the glove material. Change gloves frequently.
Eye protection	Safety glasses.
Skin protection (other than of the hands)	Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits).
Other Information	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day. All personal protective equipment shall be CE-marked.

## 9. Physical and chemical properties

Physical state	Liquid.
Odour	Mild
Colour	Beige.
Solubility description	Soluble in water.
Specific gravity	<b>Value:</b> 1.05-1.10 g/cm <sup>3</sup> <b>Comments:</b> (20 °C)
Boiling point	<b>Value:</b> 100 °C
pH (as supplied)	<b>Value:</b> 2-2.8
Flash point	<b>Comments:</b> N.A.
Explosion limit	<b>Comments:</b> N.A.
Spontaneous combustability	<b>Comments:</b> N.A.
Vapour pressure	<b>Comments:</b> Weighted average: 0.04 kPa (0.3 mm Hg) (at 20°C)
Viscosity	<b>Value:</b> 400-474 cP <b>Comments:</b> at 20 °C

## 10. Stability and reactivity

Materials to avoid	Slightly reactive to reactive with oxidizing agents.
Hazardous decomposition products	Not known.

Stability	The product is stable.
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## 11. Toxicological information

### Components' toxicological data

Component	2-(2-Butoxyethoxy)ethanol
LD50 oral	<b>Value:</b> > 2000 mg/kg <b>Test animal species:</b> Rat
LD50 dermal	<b>Value:</b> > 2000 mg/kg
Component	Aqueous solution of copolymer of ethylenically
LD50 oral	<b>Value:</b> > 5000 mg/kg <b>Test animal species:</b> Rat

### Other information regarding health hazards

Inhalation	At normal use or storage there is no evaporation from the product.
Skin contact	May cause slight irritation.
Eye contact	May cause temporary eye irritation.
Ingestion	May cause some irritation to mouth, throat and stomach.

## 12. Ecological information

### Components' toxicological data

Component	2-(2-Butoxyethoxy)ethanol
Acute aquatic, fish	<b>Value:</b> 1805 mg/l <b>Test method:</b> Not known <b>Species:</b> Not known <b>Duration:</b> 48 hours
Acute aquatic, Daphnia	<b>Value:</b> 3200 mg/l <b>Test method:</b> Not known <b>Species:</b> Not known <b>Duration:</b> 24 hours
Component	Aqueous solution of copolymer of ethylenically
Acute aquatic, fish	<b>Value:</b> 72 mg/l <b>Test method:</b> Not known <b>Species:</b> Not known <b>Duration:</b> 96 hours
Acute aquatic, Daphnia	<b>Value:</b> > 100 mg/l <b>Test method:</b> Not known <b>Species:</b> Not known <b>Duration:</b> 48 hours

### Other ecological information

Persistence and degradability	The degradability of the product has not been stated. 2-(2-Butoxyethoxy)ethanol: This product is readily biodegradable.
Bioaccumulative potential	The product is not expected to bioaccumulate.
Environmental details, conclusion	The product is not known to represent any danger for the environment.

## 13. Disposal considerations

Product classified as hazardous waste	No,
Packaging classified as hazardous waste	No,
Specify the appropriate methods of disposal	The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 14. Transport information

Other applicable information.	Not classified as dangerous goods.
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## 15. Regulatory information

Composition on the label	2-(2-Butoxyethoxy)ethanol: 1 - 2.5 % ,Aqueous solution of copolymer of
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	ethylenically: 0 - 1 %
Other annotations	This product is not classified according to the EU regulations.
References (laws/regulations)	Norsk Stoffliste 2005 (The Norwegian Pollution Control Authority, The Norwegian Labour Inspection Authority, The Directorate for Civil Protection and Emergency Planning). Administrative normer for forurensning i arbeidsatmosfære (The Norwegian Labour Inspection Authority, best. nr. 361), ADR, RID, IMDG, IATA, Micromedex Tomes CPS System. Forskrift om utarbeidelse, distribusjon m.v. av helse-, miljø og sikkerhetsdatablad. Forskrift om farlig avfall med vedlegg (2003). Forskrift om klassifisering, merking m.v. av farlige kjemikalier (2005). Arbeidstilsynets brosjyre om løsemidler (The Norwegian Labour Inspection Authority).

## 16. Other information

List of relevant R-phrases (in section 2)	R36 Irritating to eyes. R36/38 Irritating to eyes and skin.
Further information	VOC group: 00 VOC no.: 22 m <sup>3</sup> /l VOC coding for Denmark: 00-1
Supplier's notes	The safety data sheet has been approved in accordance with the regulations in force. Hydro Production Partner is not responsible for any errors or deficiencies in the information received from the manufacturer/ supplier. The manufacturer/ supplier mentioned in section 1 is legally responsible for the contents of the safety data sheet.