

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product name and/or code:

Trade names: Branth's Rust-Primer **Intended use:** Corrosion protective adhesion-primer

Manufacturer information, name, full address and telephone number of company:

BRANTH CHEMIE, A.V. BRANTH - Tel: +49 40-36 97 40-0 Fax: +49 40-36 71 48
 Postfach 11 07, D-21503 Glinde/Hamburg * Biedenkamp 23, D-21509 Hamburg
 Information through: SALES/TECHNICAL SERVICE: +49 40-36 97 40-0 OR Brabcoat: +31 165 53 33 77
 Emergency phone: Laboratories and management +49 40-71 00 819-2

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description: high-solid coating, air-drying **Hazardous substances:** see chapter 8.2
Indication: does not contain hazardous compounds

3. HAZARDS IDENTIFICATION OF THE PREPARATION

Particular hazard record for humans and environment: The compound is classified as non-hazardous according to the EU directive 1999/45/EEC. No danger symbols, but **R10** flammable.

4. FIRST AID MEASURES

General: In all cases of doubt, or when symptoms persist, seek medical attention.
 Never give anything by mouth to an unconscious person.
Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
Eye contact: Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleaner.
Do not use solvents or thinners.
Ingestion: If the product is accidentally swallowed, obtain immediate medical attention. **Do not** induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media: recommended: alcohol resistant foam, CO₂, powders, water spray **Not to be used** - water jet
Recommendations: Fire will produce dense black smoke. Inhalation of decomposition products may cause a health hazard. Appropriate breathing apparatus is required.
Additional protection: When fire fighting, breathing protection is compulsory.
Additional recommendation: Sealed containers in the direct environment should be cooled. Disposed water should not be allowed to enter drains.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Refer to instructions listed in sections chapter 7 and 8.
Environmental protection: Do not allow the product to enter drains or watercourses. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.
Cleaning/disposal: Mechanically contain and/or collect spillage with non-combustible absorbent materials.

7. HANDLING AND STORAGE

7.1 Recommendations for safe handling: The product should only be used in areas from which naked lights and other ignition sources have been excluded. Electrical equipment should be protected to the appropriate standard. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with the local health and safety laws at work.

7.2 Storage; requirements for storerooms and containers: Keep containers closed. Do not empty using pressure. Smoking prohibited. No access for unauthorised persons. Containers which are opened must be resealed carefully and kept upright to prevent leakage.

Combined storage: Keep away from oxidising agents, strong alkaline and strong acid materials.
Additional storage requirements: Store in original containers. Observe label precautions. Store between 5°C and 20°C in dry, well-ventilated areas, away from sources of heat and direct sunlight. Keep away from sources of ignition. Store in accordance with local regulations.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Engineering measures: Provide adequate ventilation. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction.

8.2 Occupational exposure limits/compounds requiring observation of TLV values:

Hydrocarbons (aromatic-free)/CAS-No. 64742-48-9: TLV-value TRGS 900/901: 1000 mg/m³ 200 ppm 200 ml/m³
 R10, 65; S 2, 23, 38, 51/proportion 10 - 15%

1-Methoxy-2 Propanol/CAS No. 107-98-2: TLV-value TRGS 900/901: 375 mg/m³ 100 ppm 100 ml/m³
 R10, S 2, 23, 24, 38, 51/proportion 10 - 15%

Butyl acetate/CAS-No. 123-86-4: TLV-value TRGS 900/901: 475 mg/m³ 100 ppm 100 ml/m³
 R 10, 66, 67; S 2, 24, 25, 38, 51/proportion 1 - 3%

1-Methyl-lactate/CAS No. 547-65-8/EEC-Nr. 20893000; Index-nr. 607-092-00-7: Xi; R 10, 36/37; S 2, 23/proportion 5 - 10%

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8. EXPOSURE CONTROL/PERSONAL PROTECTION (ctd)

8.3 Personal protection:

Protective and hygiene measures: All parts of the body should be washed after contact. Smoking, eating and drinking should be prohibited during working.

Respiratory protection: When workers are facing concentrations above the exposure limit acc. 8.2 or when aerosols might occur they must use appropriate certified respirators.

Hand protection: For prolonged or repeated contact, use appropriate gloves or barrier creams acc. EN374. Follow manufacturer's recommendations.

Eye protection: Use safety eye-wear designed to protect against splash of liquids.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	liquid	Explosion hazard due to:	evaporation
Colour:	grey	Explosion limits:	l.e.l. 0.5 vol.-% o.e.l. 11 vol.-%
Smell:	mild-aromatic	Vapour pressure @ 20°C:	5-15 h Pa (literature value)
Transformation:	evaporation, thickening (open cans)	Density:	1.5 kg/litre
Flashpoint:	(DIN53213) 26° C	Solubility in water @ 20°C:	< 10%
Ignition temperature:	(DIN51794) > 240°C	Viscosity @ 20°C:	(DIN53211/4 mm) > 150 sec.
Fire-supporting properties/auto-ignition:	yes/no	Viscosity @ 20°C:	(DIN ISO 2431/6 mm) > 80 sec.
		Solvent content:	30% by weight
		Solids content:	70% by weight

10. STABILITY AND REACTIVITY

10.1 **Circumstances to avoid:** Stable under recommended storage and handling conditions (see section 7).

10.2 **Compounds to avoid:** Keep away from oxidising agents, strong alkaline and strong acid materials in order to avoid exothermic reactions.

10.3 **Hazardous decomposing products:** Exposure to high temperatures may cause hazardous decomposition products such as carbon monoxide and dioxide, smoke and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

General: There are no data available on the preparation itself: however, the product is classified according conventional methods (calculation according EU-directive 88/379/EWG)/ See chapters 2 and 15. Practical experience shows that repeated or prolonged contact with the preparation causes removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Liquid splashed in the eyes may cause irritation and reversible damage.

12. ECOLOGICAL INFORMATION

By formulation the product does not contain heavy metals and no compounds according EG-directive 76/464 EWG. There are no data available on the product itself. The product should not be allowed to enter drains or watercourses.

13. DISPOSAL INFORMATION

Product: We recommend using the product completely. Waste material should be disposed of (see local directions).

Containers: Empty containers entirely. Dry containers can easily be recycled as high quality scrap material.

14. TRANSPORT INFORMATION

Transport in acc. with ADR/RID: not subject to hazardous classification for transport by land.

Transport in acc. with IMDG: not subject to hazardous classification for transport by sea.

Transport in acc. with ICOA-TI and IATA-DGR:

Marine pollutant: no	Proper shipping name: paint
UN no. 1263/KI. 3/PG-No. III	EmG-No./MFAG No. 3-05/313

15. REGULATORY INFORMATION

Classification in accordance with EG directive 1999/45/EEC non-hazardous compound

Symbol: no symbol **R-phrases:** R 10 **S-phrases:** S 2, S 23, S 38, S 51

Explanation: R 10, flammable: S 2, keep out of reach of children: S 23, Do not breathe gas/fumes/vapour/spray S 38, In case of insufficient ventilation wear suitable respiratory equipment: S 51, Use only in well-ventilated areas: Additional compound information (see chapters 2 and 15) S 24, Avoid skin contact: S 25, Avoid eye contact: R 66, Repeated skin-contact may cause skin embrittlement and chapped skin: R 67, Vapours may cause sleepiness.

16. OTHER INFORMATION

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws. Users' working conditions are beyond our knowledge and control. The product is developed to meet the highest environmental standards, and should not be used for purposes other than those specified under section 1. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information herein is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties. The information in this sheet is given in accordance with EEC-directives 91/155/EEC, 88/379/EEC and 1999/45/EEC.