

MATERIAL SAFETY DATA SHEET Date : 01/08/2019

ERW-BD

1 Identification of substance:

· **Product details:**

- **Trade name:** ERW-BD SOLVENT FREE DEGREASER
- **Article number:** 109
- **Application of the substance / the preparation** Industrial cleaner
- **Manufacturer/Supplier:**
Bromoco International Ltd
Unit 11 Chells Enterprise Village
Stevenage
Herts
SG2 0LQ

· **Information in case of emergency:**

During working hours GMT 09.00 - 17.00
Tel 00 44 (0) 800 6349711
Fax 00 44 (0)7415193376

2. Composition/Data on components:

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 141-43-5

EINECS: 205-483-3

2-aminoethanol Xn; R 20-36/37/38 2.5 -5%

CAS: 85117-50-6

EINECS: 285-600-2

Sodium Dodecyl Benzenesulphonate Xi; R 36/38 2.5 -5%

CAS: 68131-39-5 Primary Alcohol Ethoxylate Xn, N; R 22-41-50 2.5 -5%

· **Additional information** For the wording of the listed risk phrases refer to section 16.

3 Hazard identification

· **Hazard description:** not applicable

· **Information concerning to particular hazards to man and environment**

The product does not have to be labelled due to the calculation procedure of the "General Classification

guideline for preparations of the EU" in the latest valid version.

· **Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature

data. **First aid measures**

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.

5 Fire fighting measures

· **Suitable extinguishing agents**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Protective equipment:** No special measures required.

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6. Accidental release measures(Spillage)

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers /surface or ground water drains.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

8 Exposure controls and personal protection gear

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**

141-43-5 2-aminoethanol

OES Short-term value: 15 mg/m³, 6 ppm

Long-term value: 7.6 mg/m³, 3 ppm

- **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:** Not required.

· **Protection of hands:** Rubber gloves

· **Material of gloves:** Nitrile rubber, NBR

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Not required.

9 Physical and chemical properties:

· **General Information**

Form: Fluid

Colour: Yellow

Odour: Characteristic

· **Change in condition**

Melting point/Melting range: undetermined

Boiling point/Boiling range: 100°C

· **Flash point:** Not applicable

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** 23.0 hPa

Material Safety Data Sheet
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- **Density:** Not determined
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value at 20°C:** 10.8
- **Solvent content:**
Organic solvents: 4.0 %
Water: 71.4 %
- **Solids content:** 18.7 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU

Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information:

- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water or water course.

Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Product:**
- **Recommendation** Do not allow product to reach ground water or water course.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:**
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulations

- **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous

Materials (German GefStoffV).

- **Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

- **National regulations**

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**

20 Harmful by inhalation.

22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

36/38 Irritating to eyes and skin.

41 Risk of serious damage to eyes.

50 Very toxic to aquatic organisms.