

SAFETY DATA SHEET

HYDRATE 80

Revision Number 1
Compilation date: 01/06/15

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE OF THE COMPANY/ UNDERTAKING

1.1 Product Identifier

Trade name: hydrate 80

1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses of substance / mixture: For neutralisation of rust on steel

1.3.Details of the supplier of the safety data sheet

Company name and address:

Bilt Hamber Laboratories Radford Way,
Billericay,
Essex,
CM12 0EG
United Kingdom

Tel: 01277 658899

Email: sales@bilthamber.com

1.4.Emergency telephone number

01277 658899 (office hours only)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

67/458/EEC: The product is not classified
 GHS/CLP: The product is not classified
 Human health: Spray mist may irritate the respiratory system.
 It may cause irritation on eye contact.
 Environment: Prolonged skin contact ay cause temporary irritation.
 May lead to a local change in acidity in the aquatic environment which may have adverse effects on aquatic organisms.

2.2. Label elements

This product is not liable to classification and labelling.

Other hazards: PBT/vPvB: Not relevant

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product contains water, polymers and chelating agents.

67/548/EEC:

%	CAS Nr	EINECS Nr	REACH Reg. Nr	Chemical name	Hazard classification	Notes
<1	144-62-7	205-634-3	-	Oxalic acid	Xn;R21/22	

GHS/CLP:

%	CAS Nr.	EINECS Nr	REACH Reg. Nr	Chemical name	Hazard classification	Notes
<1	144-62-7	205-634-3	-	Oxalic acid	Acute Tox. 4;H312 Acute Tox. 4;H302	

For the wording of the listed R phrases and H statements, refer to section 16.

SAFETY DATA SHEET HYDRATE 80

Revision Number 1
Compilation date: 01/06/15

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Skin Contact: Remove contaminated clothing immediately and wash skin with soap and water.
 Eye contact: Flush with plenty of clean water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists obtain medical attention and bring along these instructions.
 Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.
 Inhalation: Move into fresh air and keep at rest.

4.2. Most important symptoms and effects, both acute and delayed

See section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention or special treatment needed

Treatment: Not known.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3. Advice for fire-fighters

Advise for fire-fighters: Use air-supplied respirator during fire-fighting..

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal procedures: Avoid contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Inform authorities in case of contamination of water or sewage system.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Dam and absorb spillage with sand, sawdust or other absorbent.

6.4. Reference to other sections

For personal protection, see section 8
 For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Avoid inhalation of vapours/spray and contact with skin and eyes.
 Observe good chemical hygiene practices.
 Technical measures: Keep the workplace clean.
 Technical precautions: Not relevant

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.
 Storage conditions: Store in closed original container at temperatures between +5°C and +35°C.

7.3. Specific end use(s)

Not relevant

SAFETY DATA SHEET
HYDRATE 80

Revision Number 1
Compilation date: 01/06/15

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

Cas Nr.	Chemical Name	As	Exposure Limits	Type	Notes	References
144-62-7	Oxalic acid	-	1 mg/m ³	TWA	-	EH40
		-	2 mg/m ³	STEL	15 mins	

8.2. Exposure controls

Engineering measures:

Observe occupational exposure limits and minimize the risk of inhalation. Provide adequate ventilation.

Personal protection:

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment:

When spraying it is recommended to use respiratory equipment with combination filter, type A2/P3.

Eye protection:

Risk of splashes: wear goggles/face shield.

Skin protection:

Risk of contact: Wear protective gloves. Nitrile gloves are recommended but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Hygiene measures:

Wash hands after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Odour:	Slight odour
pH:	2.5+0.5
Boiling point:	Not available
Flash point:	Not relevant
Explosive properties:	Not relevant
Relative density:	1.20 + 0.05
Solubility:	Miscible with water
Melting point:	Not relevant
Vapour density:	Not available
Vapour pressure:	Not available
Decomposition temperature:	Not available
Flammability limit lower:	Not applicable
Flammability limit upper:	Not applicable
VOC g/l:	0

9.2. Other information

Other information:

No data available

SAFETY DATA SHEET
HYDRATE 80

Revision Number 1
Compilation date: 01/06/15

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: None known.

10.2. Chemical stability

Chemical stability: Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: None known.

10.4. Conditions to avoid

Conditions to avoid: Frost and direct sunlight.

10.5. Incompatible materials

Materials to avoid: Avoid all solvents except water. Addition of chemicals may cause coagulation.

10.6. Hazardous decomposition products

Hazardous decomposition products: When heated and in case of fire, harmful vapours/gases may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation: Spray mist may irritate the respiratory system.
 Skin contact: Prolonged contact may cause redness and irritation.
 Eye contact: Direct contact may irritate.
 Ingestion: May irritate and cause malaise.
 Specific effects: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: May lead to a local change in acidity in the aquatic environment which may have adverse effects on aquatic organisms.
 Acute Toxicity - Fish: Not available
 Acute Toxicity: Aquatic
 Invertebrates: Not available

12.2. Persistence and degradability

Persistence and degradability: The polymer is not readily degradable.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: The product is miscible with water. It may spread in water systems.

12.5. Results of PBT and vPvB assessment

Not relevant.

12.6. Other adverse effects

Not known

SAFETY DATA SHEET
HYDRATE 80

Revision Number 1
Compilation date: 01/06/15

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.
Waste from residues: EWC-code: 20 01 14
Contaminated packaging: Dispose of contaminated packing as residue..

SECTION 14: TRANSPORT INFORMATION

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

14.1 UN number

UN-No: -

14.2 UN proper shipping name

Proper Shipping Name: -

14.3 Transport hazard class(es)

Class: -

14.4 Packing group

PG: -

14.5 Environmental hazards

Marine pollutant: -
Environmentally Hazardous
Substance: -

14.6 Special precautions for user

Special precautions: None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk: Not relevant.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulation: 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.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

EH40/2005, Workplace exposure limits 2005, with amendments.

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2 Chemical safety assessment:

CSA status: Not relevant.

SAFETY DATA SHEET
HYDRATE 80

Revision Number 1
Compilation date: 01/06/15

SECTION 16: OTHER INFORMATION

Other information: The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Wording of R-phrases/H-statements:

R21/22: Harmful in contact with skin and if swallowed.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

Disclaimer:

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.