



SAFETY DATA SHEET

RES Derust

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name RES Derust

UFI UFI: 5D80-X0AD-W000-V0M7

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

Identified uses Corrosion inhibitor.

1.3. Details of the supplier of the safety data sheet

Supplier Rozone Ltd
Queen Street
Darlaston
Wednesbury
West Midlands
WS10 8JF
Tel: 0121 526 8181
info@rozone.co.uk

1.4. Emergency telephone number

Emergency telephone Rozone: 0121 526 8181 (Mon - Fri, 09:00-17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Skin Corr. 1 - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

RES Derust

Precautionary statements	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p>
UFI	UFI: 5D80-X0AD-W000-V0M7
Contains	PHOSPHORIC ACID ...%, 1 PROPOXY-2-PROPANOL, C9-11 Alcohol Ethoxylate
Supplementary precautionary statements	<p>P260 Do not breathe vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PHOSPHORIC ACID ...%	15-30%
CAS number: 7664-38-2	EC number: 231-633-2
Classification	
Met. Corr. 1 - H290	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
1 PROPOXY-2-PROPANOL	1-5%
CAS number: 1569-01-3	EC number: 216-372-4
Classification	
Flam. Liq. 3 - H226	
Eye Irrit. 2 - H319	
C9-11 Alcohol Ethoxylate	1-5%
CAS number: 68439-46-3	EC number: 614-482-0
Classification	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	

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DIPROPYLENE GLYCOL METHYL ETHER	1-5%
CAS number: 34590-94-8	EC number: 252-104-2
Classification	
Not Classified	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Give plenty of water to drink. Get medical attention.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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

Inhalation	Dizziness. Irritation.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Causes burns. Pain. Irritation.
Eye contact	Causes serious eye damage.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	When heated, vapours/gases hazardous to health may be formed.
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5.3. Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear eye and face protection. Wear protective clothing and gloves. Do not touch or walk into spilled material.
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6.2. Environmental precautions

Environmental precautions	Avoid release to the environment.
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6.3. Methods and material for containment and cleaning up

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Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13. Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container in a cool, well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description

Immersion

1. Dilute RES Derust as required in a suitable container.
2. Carefully immerse items, remove and inspect the periodically.
3. Thoroughly rinse treated items with fresh water and dry.
4. Treat with RES Protech if component is likely to corrode.

Non-Immersion

1. Apply the solution to the affected.
2. Agitate until the corrosion has been removed.
3. Wipe off excess product with a damp cloth.
4. Treat with RES Protech if component is likely to corrode.

Dilution:

Light duty: 5% (20:1)

Heavy Duty: 50% (50:50)

On occasions this product may be used neat.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

PHOSPHORIC ACID ...%

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

DIPROPYLENE GLYCOL METHYL ETHER

Long-term exposure limit (8-hour TWA): 50 ppm

WEL = Workplace Exposure Limit.

1 PROPOXY-2-PROPANOL (CAS: 1569-01-3)

DNEL

Workers - Dermal; Long term systemic effects: 82.5 mg/kg/day

Workers - Inhalation; Long term systemic effects: 263 mg/m³

Consumer - Dermal; Long term systemic effects: 36 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 38 mg/m³

Consumer - Oral; Long term systemic effects: 11 mg/kg/day

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PNEC	<ul style="list-style-type: none"> - marine water; 0.01 mg/l - Intermittent release; 1 mg/l - STP; 4 mg/l - Sediment (Freshwater); 0.386 mg/kg/day - Sediment (Marinewater); 0.0386 mg/kg/day - Soil; 0.0185 mg/kg/day
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DIPROPYLENE GLYCOL METHYL ETHER (CAS: 34590-94-8)

DNEL	<ul style="list-style-type: none"> Industry - Dermal; Long term : 65 mg/kg/day Industry - Inhalation; Long term : 310 mg/m³ Consumer - Dermal; Long term : 15 mg/kg/day Consumer - Inhalation; Long term : 37.2 mg/m³ Consumer - Oral; Long term : 1.67 mg/kg/day
PNEC	<ul style="list-style-type: none"> - Fresh water; 19 mg/l - marine water; 1.9 mg/l - STP; 4168 mg/l - Sediment (Freshwater); 70.2 mg/kg - Sediment (Marinewater); 70.2 mg/kg - Soil; 2.74 mg/kg - Intermittent release; 19 mg/l

8.2. Exposure controls

Protective equipment



Eye/face protection

Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Provide eyewash station. Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid. Colourless to pale yellow liquid.
Odour	Bland
pH	pH (concentrated solution): <2

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Alkalis.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None known.

10.4. Conditions to avoid

Conditions to avoid No specific requirements are anticipated under normal conditions of use.

10.5. Incompatible materials

Materials to avoid Alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 77,777.78

Inhalation May cause irritation.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Causes severe burns.

Eye contact Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential Not determined.

12.4. Mobility in soil

Mobility Mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No data available.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

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14.1. UN number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760
UN No. (ADN)	1760

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, N.O.S. (Contains phosphoric acid)
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S. (contains phosphoric acid)
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S. (contains phosphoric acid)
Proper shipping name (ADN)	CORROSIVE LIQUID, N.O.S. (contains phosphoric acid)

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 as amended
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 as amended.
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 14/09/2023

Revision 3

Supersedes date 26/03/2023

SDS number 21833

Hazard statements in full H226 Flammable liquid and vapour.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.