

Rust Byte

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Material name : Rust Byte

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

Product use : Water displacing liquid

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: IMG Ltd.,
 Unit M
 Riverside Industrial Estate
 Fazeley
 Tamworth
 B78 3RW

Tel. : 01827 283322

Fax. : 01827 250143

Email (for SDSs) : sales@img-limited.co.uk

1.4 Emergency tel. no.: 01827 283322 (Available from 08.30 – 17.00 hours).

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical Hazards Flam.Aerosol 1; H222; H229

Human health EUH066

Environment Aq.Chron. 4; H413

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Danger

Pictogram(s):



H-Statements:

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H413

May cause long-lasting harmful effects to aquatic life.

P-Statements:

P210

Keep away from heat/sparks/open flames/hot surfaces – No smoking.

P211

Do not spray on an open flame or other ignition source.

P251

Pressurized container: Do not pierce or burn even after use.

P302+352

IF ON SKIN: Wash with plenty of soap and water.

P332+313

If skin irritation occurs: Get medical advice/attention.

P410+412

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501

Dispose of contents/container in accordance with national regulations.

Supplemental Labelling

Information:

EUH066

Repeated exposure may cause skin dryness or cracking

2.3 Other hazards:

In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

| Chemical Name | CAS No./ EC No./ Reg. No | Classification (1272/2008/EC) | Content |
|---|--------------------------------|---|---------|
| HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS | 64741-65-7 918-167-1 - | Flam.Liq.3 H226 Asp.Tox.1 H304 Aq.Chron.3; H413 EUH066 | 50-70% |
| N-OLEOYL SARCOSINE | 110-25-8 203-749-3 - | Skin Irrit.2 H315 Eye Dam.1 H318 Acute Tox.4 H332 Aq.Acute 1 H400 | <1% |
| OLEYL HYDROXYETHYL IMIDAZOLINE | 95-38-5 202-414-9 | Acute Tox.4; H302 Sk.Corr.1B; H314 STOT RE2; H373 Aq.Acute 1; H400 Aq.Chron.1; H410 | <1% |
| LIQUEFIED PETROLEUM GAS (contains <0.1% 1,3-butadiene) | 68476-85-7 270-704-2 - | Flam.Gas 1; H220 Gas under pressure; H280 | 25-50% |

See Section 16 for the full text of the H-statements noted above.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: Remove to fresh air. Seek medical advice.

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

May cause irritation to skin and eyes with prolonged contact.

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

See skin and eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.
Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.
Further information: Standard procedure for chemical fires. Use water spray to cool containers.
Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe vapour. Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

7.3 Specific end use(s): No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

| Chemical name | 8hr TWA | 15min STEL | Reference |
|--|------------------------|------------|-----------|
| Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | 1000 mg/m ³ | - | Supplier |

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: If vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

Hand protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time \geq 480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

Eye protection: Chemical splash goggles of EN 166 standard if eye contact is reasonably probable.

Skin and body protection: General workwear.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--|---------------------------------------|
| State and colour | Aerosol emitting a hazy clear liquid. |
| Odour | Characteristic |
| Odour Threshold | No data available |
| Flammability | Extremely flammable |
| Flash point | <0°C |
| Lower explosion limit | 0.6% |
| Upper explosion limit | 9.0% |
| Explosive properties | Not explosive |
| Thermal decomposition | No data available |
| Auto-ignition temperature | 430°C |
| Oxidising properties | Non-oxidising |
| Solubility in water | Insoluble |
| Solubility in other solvents | Soluble in most organic solvents. |
| pH | Not applicable |
| Melting point/range | No data available |
| Boiling point/range | No data available |
| Relative density | Not applicable |
| Vapour pressure | No data available |
| Vapour density | >1 (air = 1) |
| Partition coefficient: n-octanol/water | No data available |
| Viscosity (kinematic) | No data available |
| Evaporation rate | No data available |

9.2 Other information No data available

10. STABILITY AND REACTIVITY

| | |
|--|---|
| 10.1 Reactivity | Generally non-reactive. |
| 10.2 Chemical stability | Stable under normal conditions. |
| 10.3 Possibility of hazardous reactions | None if stored and used as directed. |
| 10.4 Conditions to avoid | Heat, flames and other sources of ignition. |
| 10.5 Incompatible materials | Strong acids, oxidising agents, alkalis. |
| 10.6 Hazardous decomposition products | Oxides of carbon. |

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

| Chemical name | Oral (LD50) | Inhalation (LC50) | Dermal (LD50) |
|--|-------------------|-------------------|----------------------|
| Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | >5000 mg/kg (Rat) | No data available | >5000 mg/kg (Rabbit) |

Skin corrosion/irritation: May cause skin irritation. May dry the skin leading to discomfort and dermatitis.

Serious eye damage/eye irritation: May cause eye irritation.

Respiratory or skin sensitisation: Not classed as a respiratory or skin sensitizer.

Repeated dose toxicity: No data available.

Carcinogenicity: Not carcinogenic.

Mutagenicity: No known significant effects.

Toxicity for reproduction: No data available.

Specific target organ toxicity (STOT): No data available.

Further information

The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of vapour.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

| Chemical name | Species | Test | Value |
|--|---------------|----------|-----------|
| Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | Daphnia | EC50 24h | >100 mg/l |
| | Rainbow trout | LC50 96h | >100 mg/l |
| | Algae | EC50 24h | >100 mg/l |

12.2 Persistence and degradability Inherently biodegradable.

12.3 Bioaccumulative potential Not expected to bioaccumulate significantly.

12.4 Mobility in soil Insoluble in water and will float on the surface.

12.5 Results of PBT and vPvB assessment Contains no PBT or vPvB substances.

12.6 Other adverse effects None expected.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations.
 Contact licensed waste disposal company.

14. TRANSPORT INFORMATION

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

| | | |
|--|-------------------------|----------------|
| 14.1 UN number | ADR/RID/ADN; IMDG; ICAO | 1950 |
| 14.2 UN proper shipping name | AEROSOLS | |
| 14.3 Transport hazard class(es) | ADR/RID/ADN Class | 2, 5F |
| | ADR/RID/ADN Class | Class 2, Gases |
| | ADR Label No. | 2.1 |
| | IMDG Class | 2 |
| | ICAO Class/Division | 2 |
| | ICAO Subsidiary risk | 2.1 |



Transport labels

| | | |
|--|-------------------------|------------------------------|
| 14.4 Packing Group | ADR/RID/ADN; IMDG; ICAO | Not applicable for aerosols |
| 14.5 Environment hazards | Marine Pollutant | Not applicable for aerosols. |
| 14.6 Special precautions for user | EMS | F-D, S-U |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | | Not applicable for aerosols. |

15. REGULATORY INFORMATION

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (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.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture (continued)

Statutory Instruments

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

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been performed on this product.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals).

Tariff number: 34031990

Full text of H-statements referred to under sections 2 and 3

| | |
|--------|---|
| H220 | Extremely flammable gas |
| H222 | Extremely flammable aerosol |
| H226 | Flammable liquid and vapour. |
| H280 | Contains gas under pressure; may explode if heated |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation. |
| H332 | Harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H413 | May cause long-lasting harmful effects to aquatic life |
| EUH066 | Repeated exposure may cause skin dryness or cracking |

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.

STOT: Single Target Organ Toxicity (Section 2;3;11).

RE: Repeated exposure (section 2;3)

SE: Single exposure (Section 2;3)

TWA: Time-weighted average. (Section 8).

STEL: Short-term exposure limit. (Section 8).

PBT: Persistent, Bioaccumulative, Toxic. (Section 12).

vPvB: very Persistent and very Bioaccumulative. (Section 12).

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.