

Red Rag Polish

Page 1 of 8
Issued: 01/11/2018; Revision No.1
Regulation (EU) 453/2010

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

1.1 Product Identifier

Material name : Red Rag Polish

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

Product use : Spray polish

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 | Not classified |
| Environment | Aq.Chron.3; H412 |

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Danger

Pictogram(s):



| | | |
|---------------------------|------|--|
| Hazard Statements: | H222 | Extremely flammable aerosol. |
| | H229 | Pressurised container: may burst if heated. |
| | H412 | Harmful to aquatic life with long lasting effects. |

Precautionary 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 | Pressurised container: Do not pierce or burn, even after use. |
| P261 | Avoid breathing vapour/spray. |
| P273 | Avoid release to the environment. |
| P410+412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |
| P501 | Dispose of contents/container in accordance with local/national regulations. |

Supplemental labelling information:

| | |
|--------|---|
| EUH208 | Contains Terpinolene, Alpha-Pinene, (R)-p-Mentha-1,8-Diene. May produce an allergic reaction. |
|--------|---|

Red Rag Polish

Page 2 of 8
Issued: 01/11/2018; Revision No.1
Regulation (EU) 453/2010

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

| Chemical Name | CAS No./ EC No./ Reg. No | Classification (1272/2008/EC) | Content |
|---|---|--|---------|
| BUTANE/ISOBUTANE | 106-97-8 203-448-7 01-2119474691-32 | Flam.Gas 1; H220 | 30-85% |
| HYDROCARBONS, C11-C13, ISOALKANES, <2% AROMATICS | 246538-78-3 920-901-0 01-2119456810-40-xxxx | Asp.1; H304 EUH066 | 10-25% |
| ETHANOL | 64-17-5 200-578-6 01-2119457610-43-xxxx | Flam.Liq.2; H225 | 2.5-10% |
| TERPINOLENE | 586-62-9 209-578-0 01-2119982325-32-xxxx | Asp.1; H304 Sk.Sens.1B; H317 Aq.Acute 1; H400 Aq.Chron.1; H410 | <1% |
| ALPHA-PINENE | 80-56-8 201-291-9 01-2119519223-49-xxxx | Flam.Liq.3; H226 Ac.Tox.4; H302 Asp.1; H304 Sk.Irrit.2; H315 Sk.Sens.1; H317 Aq.Chron.1; H410 | <1% |
| (R)-p-MENTHA-1,8-DIENE | 5989-27-5 227-813-5 01-2119529223-47-xxxx | Flam.Liq.3; H226 Asp.1; H304 Sk.Irrit.2; H315 Sk.Sens.1; H317 Aq.Acute 1; H400 Aq.Chron.3; H412 | <1% |

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

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

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.

Red Rag Polish

Page 3 of 8
Issued: 01/11/2018; Revision No.1
Regulation (EU) 453/2010

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

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, below 50°C. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

7.3 Specific end use(s)

No information available.

Red Rag Polish

Page 4 of 8
Issued: 01/11/2018; Revision No.1
Regulation (EU) 453/2010

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

| Chemical name | 8hr TWA | 15min STEL | Reference |
|------------------|----------------------------------|---------------------------------|-----------|
| Butane/Isobutane | 1450 mg/m ³ /600ppm | 1250 mg/m ³ /500 ppm | EH40/2005 |
| Ethanol | 1920 mg/m ³ /1000 ppm | - | EH40/2005 |

DNEL/PNEC: No information available.

8.2 Exposure controls

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

Personal protective equipment

Respiratory protection: Given the product usage, unlikely to be necessary.

Hand protection: Rubber gloves approved to EN374 standard; check with glove manufacturer for specific advice. Gloves should only be worn on clean hands. Replace worn gloves. Wash and dry gloves after use.

Eye protection: Unlikely to be necessary.

Skin and body protection: Protective overalls.

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 colourless spray. |
| Odour | Fragranced |
| Odour Threshold | No data available |
| Flammability | Extremely flammable |
| Flash point | -40°C |
| Lower explosion limit | 0.8% |
| Upper explosion limit | 19.0% |
| Explosive properties | Not explosive |
| Thermal decomposition | No data available |
| Auto-ignition temperature | No data available |
| Oxidising properties | Non-oxidising |
| Solubility in water | Immiscible |
| Solubility in other solvent | No data available |
| pH | No data available |
| Melting point/range | No data available |
| Boiling point/range | No data available |
| Density | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Partition coefficient: n-octanol/water | No data available |
| Viscosity (kinematic) | No data available |
| Evaporation rate | No data available |

Red Rag Polish

Page 5 of 8
Issued: 01/11/2018; Revision No.1
Regulation (EU) 453/2010

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 | None known. |
| 10.5 Incompatible materials | Strong oxidising agents. |
| 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) |
|------------------|-------------------|---------------------|----------------------|
| Butane/Isobutane | Not applicable | >20 mg/l (Rat) 4h | Not applicable |
| Ethanol | >2000 mg/kg (Rat) | >20 mg/l (Mouse) 4h | >2000 mg/kg (Rabbit) |

| | |
|--|---|
| Skin corrosion/irritation: | Not classed as a skin irritant |
| Serious eye damage/eye irritation: | May cause transient eye irritation. |
| Respiratory or skin sensitisation: | Not classed as a respiratory irritant or skin sensitiser. |
| Repeated dose toxicity: | No data available |
| Carcinogenicity: | Not carcinogenic. |
| Mutagenicity: | Not mutagenic. |
| Toxicity for reproduction: | Not expected to impair fertility. |
| Specific target organ toxicity (STOT): | No data available |
| Further information | No data available. |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

| Chemical name | Species | Test | Value |
|---------------|---------|------|-----------|
| Ethanol | Daphnia | EC50 | >100 mg/l |
| | Fish | LC50 | >100 mg/l |
| | Algae | EC50 | >100 mg/l |

| | |
|---|---|
| 12.2 Persistence and degradability | Ethanol: >70% biodegradable. |
| 12.3 Bioaccumulative potential | No bioaccumulation expected. |
| 12.4 Mobility in soil | No data available. |
| 12.5 Results of PBT and vPvB assessment | Not considered to contain PBT or vPvB substances. |
| 12.6 Other adverse effects | The aerosol contents are potentially harmful to aquatic life. |

Red Rag Polish

Page 6 of 8
Issued: 01/11/2018; Revision No.1
Regulation (EU) 453/2010

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations.
Contact licensed waste disposal company. Most aerosols can be recycled.
Do not pierce or burn or use a cutting torch on the empty aerosol container.

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.

Red Rag Polish

Page 7 of 8
Issued: 01/11/2018; Revision No.1
Regulation (EU) 453/2010

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. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

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

Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

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) as amended and Regulation EU 453/2010.

Tariff number: 34029090

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

| | |
|------------------------|---|
| Physical hazards: | On basis of test data/Expert judgement. |
| Health hazards: | Calculation method |
| Environmental hazards: | Calculation method |

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

| | |
|--------|---|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H229 | Pressurised container: may burst if heated. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| 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. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |



Red Rag Polish

Page 8 of 8

Issued: 01/11/2018; Revision No.1
Regulation (EU) 453/2010

Abbreviations and acronyms

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

STOT: Single Target Organ Toxicity (Section 11).

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

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

DNEL: Derived No Effect Level (Section 8).

PNEC: Predicted No Effect Concentration (Section 8).

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

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

EC50: Effective Concentration, 50 percent. (Section 12).

LC50: Lethal Concentration, 50 percent. (Section 11/12).

LD50: Lethal Dose, 50 percent. (Section 11).

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.

