



## SAFETY DATA SHEET REFLOW

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

#### 1.1. Product identifier

**Product name** REFLOW

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

**Identified uses** Flameless heat pad for automotive paintwork rectification.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Autoglym  
Works Road  
Letchworth  
Herts  
SG6 1LU  
UK  
sds@autoglym.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1462 489498 (24Hrs)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Water-react. 2 - H261

**Health hazards** Not Classified

**Environmental hazards** Not Classified

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H261 In contact with water releases flammable gases.

**Precautionary statements** P102 Keep out of reach of children.  
P280 Wear protective gloves, eye and face protection.  
P302 IF ON SKIN:  
P335 Brush off loose particles from skin.  
P334 Immerse in cool water.  
P402+P404 Store in a dry place. Store in a closed container.

**Supplementary precautionary statements** P501 Dispose of contents/ container in accordance with national regulations.

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## 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Ingestion</b>	Do not induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Rinse immediately with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Get medical attention if any discomfort continues. Following contact with hot product, immediately immerse affected area in, or flush with, large amounts of cold water to dissipate heat and cover with clean cotton sheeting or gauze.
<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention.

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

<b>Skin contact</b>	Contact with hot product can cause serious thermal burns.
<b>Eye contact</b>	May cause temporary eye irritation.

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Smother burning magnesium alloy powder by gently covering with DRY agents such as dry sand.
<b>Unsuitable extinguishing media</b>	Water spray.

#### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	Hydrogen.
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#### 5.3. Advice for firefighters

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Take precautionary measures against static discharges.
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#### 6.2. Environmental precautions

#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Contact with hot product can cause serious thermal burns. Avoid contact with skin and eyes.
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**Advice on general occupational hygiene**                      When using do not eat, drink or smoke. Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**                      Store in tightly-closed, original container in a dry and cool place. Protect containers from damage. Protect against water including leaks, snow, rain or flooding Segregate from strong oxidizers, flammable materials.

### 7.3. Specific end use(s)

#### SECTION 8: Exposure Controls/personal protection

##### 8.1. Control parameters

##### 8.2. Exposure controls

**Eye/face protection**                      Wear eye protection. EN 166:2001

**Hand protection**                      Wear protective gloves made of the following material: Nitrile rubber. The breakthrough time for any glove material may be different for different glove manufacturers.

**Hygiene measures**                      Wash at the end of each work shift and before eating, smoking and using the toilet.

**Respiratory protection**                      Respiratory protection not required.

#### SECTION 9: Physical and Chemical Properties

##### 9.1. Information on basic physical and chemical properties

**Appearance**                      Grayish metallic powder sealed within a porous plastic enclosure

**pH**                      Not applicable.

**Melting point**                      650°C

**Initial boiling point and range**                      1110°C

**Flash point**                      Not applicable.

**Evaporation rate**                      Not applicable.

**Evaporation factor**                      Not applicable.

**Flammability (solid, gas)**                      Not applicable.

**Upper/lower flammability or explosive limits**                      Not applicable.

**Vapour pressure**                      Not applicable.

**Vapour density**                      Not applicable.

**Relative density**                      Not applicable.

**Bulk density**                      No information available.

**Solubility(ies)**                      No information available.

**Partition coefficient**                      Not applicable.

**Auto-ignition temperature**                      No information required.

**Decomposition Temperature**                      Not applicable.

**Viscosity**                      Not applicable.

##### 9.2. Other information

#### SECTION 10: Stability and reactivity

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### 10.1. Reactivity

**Reactivity** Reacts with water producing heat and hydrogen gas, which is flammable and explosive. Reacts violently with halogens, chlorinated solvents, ammonium nitrate, carbonates, arsenic, cupric oxide, cupric sulfate, mercuric oxide, inorganic phosphates.

### 10.2. Chemical stability

**Stability** Stable when stored in a dry place.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Reactions with the following materials may generate heat: Water, moisture. In contact with water releases flammable gases.

### 10.4. Conditions to avoid

**Conditions to avoid** Exposure to moisture, sparks/ignition sources and open flame. Exposure to incompatible materials.

### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with the following materials: Water, moisture. Acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Other than hydrogen gas, none under normal usage and storage.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Skin contact** Contact with hot product can cause serious thermal burns.

## SECTION 12: Ecological Information

### 12.1. Toxicity

**Toxicity** The product is not expected to be hazardous to the environment.

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No information available.

**Partition coefficient** Not applicable.

### 12.4. Mobility in soil

**Mobility** No data available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available.

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of waste product or used containers in accordance with local regulations

## SECTION 14: Transport information

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### 14.1. UN number

UN No. (ADR/RID)	2813
UN No. (IMDG)	2813
UN No. (ICAO)	2813
UN No. (ADN)	2813

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	WATER-REACTIVE SOLID, N.O.S. (Magnesium - Iron Mixture)
Proper shipping name (IMDG)	WATER-REACTIVE SOLID, N.O.S. (Magnesium - Iron Mixture)
Proper shipping name (ICAO)	WATER-REACTIVE SOLID, N.O.S. (Magnesium - Iron Mixture)
Proper shipping name (ADN)	WATER-REACTIVE SOLID, N.O.S. (Magnesium - Iron Mixture)

### 14.3. Transport hazard class(es)

ADR/RID class	4.3
ADR/RID classification code	W2
ADR/RID label	4.3
IMDG class	4.3
ICAO class/division	4.3
ADN class	4.3

#### Transport labels



### 14.4. Packing group

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

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

EmS	F-G, S-N
ADR transport category	0
Emergency Action Code	4W
Hazard Identification Number (ADR/RID)	423
Tunnel restriction code	(D/E)

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

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

**EU legislation** 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 (as amended).  
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) (as amended).

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

<b>Revision date</b>	11/09/2018
<b>Revision</b>	1
<b>SDS number</b>	22167
<b>Hazard statements in full</b>	H261 In contact with water releases flammable gases.