SAFETY DATA SHEET
REFLOW

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

1.1. Product identifier

Product name REFLOW

Product number REFLOW5

UFI UFI: 5EC0-60F2-S00X-DFFX

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
+44 (0)1462 677766
+44 (0)1462 677712
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

Hazard pictograms

Signal word Danger

Hazard statements H261 In contact with water releases flammable gases.

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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.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing.
Ingestion	Do not induce vomiting. Get medical attention immediately.
Skin contact	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.
Eye contact	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

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

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

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Hydrogen.

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	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.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

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Methods for cleaning up	Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Contact with hot product can cause serious thermal burns. Avoid contact with skin and eyes.
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

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.

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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

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

ICAO packing group II

ADN packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

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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)

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

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