

**Safety data sheet
according to 1907/2006/EC, Article 31**

Print Date 03.03.2015

Version number 2

Creation Date 14.01.2013

SECTION 1: Identification of the product and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Regipol Flat Glass Series:-
Economy F, Economy D, Bronze, Silver, Gold, Platinum & Pre-Wash grades
Powder
- **SDS Reference** 183
- **Registration number** Cerium oxide 01-2119488673-24-0010
- **1.2 Relevant identified uses of the substance or preparation** The following uses have been identified.
- **Application of the substance / the mixture** Glass polishing
- **1.3 Details of the supplier of the safety data sheet**
AMG Superalloys UK Ltd
Fullerton Road
Rotherham
United Kingdom
S60 1DL
- **Manufacturer/Supplier:**
AMG Superalloys UK.Ltd.
Fullerton Road
Rotherham
United Kingdom
S60 1DL
- **Further information obtainable from:** Reach@amg-s.com
- **1.4 Emergency telephone number:** Telephone +44 (0) 1709 828500

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



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Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning
- **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321 Specific treatment (see on this label).
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:**

Product contains the following hazardous substances
 Hazardous substances are substances that are classified as hazardous under the CLP Regulation or substances where exposure monitoring is required in the workplace

- **Dangerous components:**

CAS: 68188-85-2 EINECS: 269-166-1	rare earth fluorides ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-30%
CAS: 1332-58-7 EC number: 310-194-1	Kaolin	0-70%
CAS: 1302-78-9 EINECS: 215-108-5	bentonite ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	0-3%
CAS: 10043-01-3 EINECS: 233-135-0	aluminium sulphate ⚠ Eye Dam. 1, H318	0-2%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Do not induce vomiting; call for medical help immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear suitable PPE.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
Where required wear suitable respiratory protective device against the effects of fume/dust/aerosol
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Prevent formation of dust.
Where required to control exposure provide local exhaust ventilation.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in dry location
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

68188-85-2 rare earth fluorides

WEL	Long-term value: 2.5 mg/m ³ as F
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1332-58-7 Kaolin

WEL | Long-term value: 2 mg/m³

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Practice good hygiene. Keep away from food and drink. Avoid contact with eyes and skin.
- **Respiratory protection:**
Adequate protection measures must be used to maintain exposure levels below stated limits.
- **Protection of hands:** Wear suitable protection.
- **Material of gloves**
The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Gloves must comply with the Personal Protective Equipment 89/686/EEC directive.
- **Penetration time of glove material** Not relevant.
- **Eye protection:** Wear suitable eye protection.
- **Risk management measures**
Where practical exposure levels should be controlled using extraction systems.
It may be necessary to undertake a programme of exposure monitoring.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Powder
Colour:	Whitish
- **Odour:** Odourless
- **Odour threshold:** Not relevant
- **pH-value (100 g/l) at 20 °C:** 4-10
- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Ignition temperature:** Not applicable.
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**

Lower:	Not relevant.
Upper:	Not relevant.
- **Oxidising properties** The product is non-oxidising.
- **Vapour pressure:** Not applicable.

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· Density at 20 °C:	1.0-1.8 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not relevant.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
 No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitisation:** No sensitising effects known.
- **Additional toxicological information:**
 The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
 Irritant

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.

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- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
 Disposal of waste should be undertaken in accordance with appropriate national and local regulations
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|----------------|
| · 14.1 UN-Number | Not applicable |
| · ADR, IMDG, IATA | Not relevant |
| · 14.2 UN proper shipping name | Not relevant |
| · 14.3 Transport hazard class(es) | Not relevant |
| · 14.4 Packing group | Not applicable |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning
- **Hazard statements**
 H315 Causes skin irritation.
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 H335 May cause respiratory irritation.
- **Precautionary statements**
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P321 Specific treatment (see on this label).
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
- **Information about limitation of use:** Not applicable
- **Other regulations, limitations and prohibitive regulations** Not applicable
- **Substances of very high concern (SVHC) according to REACH, Article 57**
The product does not contain substances of very high concern.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
- **Recommended restriction of use** The uses of this product should be confined to those described.
- **Department issuing MSDS:** REACH Department.
- **Contact:** Reach@amg-s.com
- **Abbreviations and acronyms:**
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3