

**1. Identification of Substance or Preparation****Reference: BPL9****1.1 Product Identifier**

Product name: **Ceratex Aluminium Polishing Compound/BPL9**  
Product form: Mixture

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

Relevant identified uses: Vibratory & Barrel Finishing Compound

**1.3 Emergency telephone number**

Emergency contact number: (01282) 842900

**2. Hazards Identification****2.1 Classification of the substance or mixture**

Physical hazards: Not classified

Health hazards: H302 Harmful if swallowed, H315 Causes skin irritation, H318 Causes serious eye damage

Environmental hazards: Not classified

**2.2 Label elements**

Signal word: Danger

Hazardous ingredients: Alcohols, C9-11, ethoxylated (6EO), Benzenesulfonic acid, C10-13-alkyl derivs, sodium salts, sodium N-(2carboxyethyl)-N-(2-ethylhexyl)- $\beta$ -alaninate, sodium N-lauroylsarcosinate.

Hazard Statement: H302 Harmful if swallowed  
H315 Causes skin irritation  
H318 Causes serious eye damage

Precautionary statements: P264: Wash hands thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P280: Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statement: P501 Dispose of contents/container in accordance with local regulations.

P301: IF SWALLOWED: Call doctor if feel unwell. (Do not induce vomiting).

P302: IF ON SKIN: Wash thoroughly with water.

P305: IF IN EYES: Irrigate thoroughly with clean water for at least 15 minutes. Consult doctor if any irritation persists.

**2.3 Other Hazards**

None known

### 3. Composition/Information on ingredients

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#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

**Chemical description:** A wetted powder with wetting agents and lubricants. (Dust Free).

<i>Dangerous Components</i>	<i>% Concentration</i>	<i>Cas No.</i>	<i>Supply Class with Risk No's.</i>
Benzenesulfonic acid, C-10-13-alkyl derivs, sodium salts	>=5 - < 30	68411-30-3	H302 Harmful if swallowed H315 Causes skin irritation H318 Causes serious eye damage
Citric acid, monohydrate	>=5 - < 15	5949-29-1	H315 Causes skin irritation H319 Causes serious eye irritation
Alcohols, C-19, ethoxylated (6 EO)	>=5 - < 15	68439-46-3	H302 Harmful if swallowed H315 Causes skin irritation H318 Causes serious eye damage
Sodium N-lauroylsarcosinate	>=1 - < 5	137-16-6	H315 Causes skin irritation H318 Causes serious eye damage
Sodium N-(2carboxyethyl)-N-(2-ethylhexyl)-β-alaninate	>=1 - < 5	94441-92-6	H315 Causes skin irritation H318 Causes serious eye damage
Sodium hydroxide, caustic soda	<1	1310-73-2	H312 Harmful in contact with skin H314 Causes severe skin burns and eye damage
<i>Name</i>	<i>Product ID</i>	<i>Concentration Limits</i>	
Sodium hydroxide, caustic soda	CAS no 1310-73-2	<b>(C=Corrosive)</b> H319 Eye irrit – (0.5=< C <2) H315 Skin irrit - (0.5=< C <2) H314 Skin Corr 1B – (2=< C <5) H314 Skin Corr 1A – (C>=5)	

### 4. First Aid Measures

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**4.1 Description of Symptoms and Emergency Actions:** If feel unwell or symptoms persists seek medical advice (show label where possible)

**Skin Contact:** Wash thoroughly with soap and water, wash contaminated clothing thoroughly before reuse. If skin persists to irritate seek medical advice/help.

**Eye Contact:** Irrigate thoroughly with clean water for at least 15 minutes. (Consult with a doctor immediately)

**Inhalation:** Remove to fresh air and allow to rest in a comfortable position.

**Ingestion:** Give plenty of water to drink immediately, keep at rest and call doctor if symptoms persists. (Do NOT induce vomiting).

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

Symptoms: Cause skin irritation  
Causes serious eye damage  
Swallowing a small quantity of this material will result in serious health hazard

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

Treat Symptomatically

### 5. Fire Fighting Measures

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**5.1 Extinguishing Media:** Foam, Dry powder, Carbon dioxide, Water spray & Sand.  
(Do not use heavy water stream)

**5.2 Special hazards arising from the substance or mixture:** No data cited

- 5.3 **Advice for firefighters:** Wear Positive Pressure Breathing Apparatus.  
Use water sprays or fog for cooling exposures.  
Prevent contaminated water entering environment.

## 6. Accidental Release Measures (Spillages)

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- 6.1 **Personal precautions, protective equipment and emergency procedures**  
Evacuate any unnecessary personnel.  
Clean up crew wear appropriate PPE.  
Ventilate area.
- 6.2 **Environmental precautions**  
Prevent entry to drains and ground water. (Notify authorities if it enters drains or water)
- 6.3 **Methods and material for containment and cleaning up**  
Collect wet material with inert material, store collected material away from other substances and materials.
- 6.4 **Reference to other sections**  
Wear protective clothing as described in Sections 8.

## 7. Handling & Storage

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- 7.1 **Precautions for safe handling**  
Wash any exposed areas thoroughly with soap and water before eating, drinking or smoking and when leaving work premises. (Do not eat, drink or smoke when handling this product).
- 7.2 **Conditions for safe storage, including any incompatibilities**  
Store in cool dry conditions, keep it in a well ventilated or air extraction zone when using product.  
Keep product in its original container.
- 7.3 **Specific end use(s)**  
Product uses identified in Section 1.2

## 8. Exposure Controls/Personal Protection

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- 8.1 **Control parameters**  
The Occupational Exposure Standards for respiration of Sodium hydroxide, caustic soda is 2 mg/m<sup>3</sup> in the United Kingdom, measures as an 8 hour Time Weighted Average.
- 8.2 **Exposure Control**
- |                                   |   |
|-----------------------------------|---|
| Appropriate engineering controls: | Handle the product with good ventilated area.           |
| Eye protection:                   | Safety Glasses/Chemical goggles                         |
| Hand protection:                  | Neoprene rubber gloves                                  |
| Respiratory protection:           | Dust filter BS2091 type 3                               |
| Skin and body protection:         | Wear suitable protective clothing                       |
| Other information:                | Do not eat, drink or smoke whilst handing this product. |

## 9. Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

#### Physical & Chemical Properties

**Appearance:** Colourless/Liquid

**Ph as delivered:** 2 - 3.5

**Melting Point/Range:** No data

**Flammability:** Non – flammable

**Vapour Pressure:** Low as the product has a high boiling point

**Odour:** No data

**Viscosity:** Not applicable

**Flash point:** 100°C (Closed up)

**Auto ignition temperature:** No data

**Relative Density (SG):** No data

**Solubility:** Miscible in water, not soluble

**Partition Co-efficient (n-octanol/water):** None

**9.2 Other information**  
None available

**10. Stability and Reactivity**

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- 10.1 Reactivity**  
Not reactive
- 10.2 Chemical Stability**  
Chemically Stable
- 10.3 Possibility of hazardous reactions**  
None if stored and handled correctly
- 10.4 Conditions to avoid**  
Direct sunlight, extremely high or low temperatures.
- 10.5 Incompatible materials**  
Strong acids & Strong bases.
- 10.6 Hazardous decomposition products**  
Fumes: Carbon monoxide & Carbon Dioxide

**11. Toxicological information**

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(a) Acute toxicity : Oral: Harmful if swallowed. Inhalation: dust, mist: Not classified.

<b>BPL9 Compound</b>	
ATE CLP (oral)	1666,667 mg/Kg bodyweight
<b>Alcohols, C9-11, ethoxylated (6 EO) (68439-46-3)</b>	
ATE CLP (oral)	500,000 mg/Kg bodyweight
<b>Sodium hydroxide, caustic soda (1310-73-2)</b>	
ATE CLP (dermal)	1350,000 mg/Kg bodyweight
<b>Citric acid, monohydrate (5949-29-1)</b>	
ATE CLP (oral)	500,000 mg/Kg bodyweight
<b>Benenesulfonic acid, C10-13-alkyl derivs. Sodium salts (68411-30-3)</b>	
ATE CLP (oral)	500,000 mg/Kg bodyweight

- (b) Skin corrosion/irritation : Causes skin irritation/pH: 2-3.5 (1% aqueous solution)
- (c) Serious eye damage/irritation : Causes eye damage/pH: 2-3.5 (1% aqueous solution)
- (d) Respiratory or skin sensitisation : No data cited
- (e) Germ cell mutagenicity : No data cited
- (f) Carcinogenicity : No data cited
- (g) Reproductive toxicity : No data cited
- (h) STOT-single exposure : No data cited
- (i) STOT-repeated exposure :No data cited
- (j) Aspiration hazard. : No data cited

## 12. Ecological Information

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### 12.1 Toxicity

<b>Alcohols, C9-11, ethoxylated (6 EO) (68439-46-3)</b>	
EC50 Daphnia 1	1-10 mg/l (24h; Daphnia magna)
<b>Sodium hydroxide, caustic soda (1310-73-2)</b>	
EC50 Daphnia 1	40,4 mg/l (48h; Ceriodaphnia sp; Nominal concentration)
EC50 other aquatic organisms 1	40,4 mg/l (48h; Crustaceans; Warne, M.S.J and A.D. Schifko 1999, Toxicity of Laundry detergent componenets to a freshwater Cladoceran and their contribution to detergent toxicity. Ecotoxicol. Environ.Saf.44(2):196-206
<b>Citric acid, monohydrate (5949-29-1)</b>	
EC50 Daphnia 1	85 mg/l (72h; Daphnia magna; Anhydrous form)
EC50 Daphnia 2	120 mg/l (Daphnia magna; Anhydrous form)
Threshold limit algae 1	80 mg/l (192h; Microcystis aeruginosa; Anhydrous form)
Threshold limit algae 2	640 mg/l (168h; Scenedesmus quadricauda; Anhydrous form)
<b>Sodium N-lauroylsarcosinate (137-16-6)</b>	
Threshold limit algae 1	79 mg/l (72h; Desmodesmus subspicatus; Growth rate)

### 12.2 Persistence and degradability

<b>BPL9 Compound</b>	
Persistence and degradability	Not established
<b>Alcohols, C9-11, ethoxylated (6 EO) (68439-46-3)</b>	
Persistence and degradability	No data cited
<b>Sodium hydroxide, caustic soda (1310-73-2)</b>	
Persistence and degradability	No data cited
<b>Citric acid, monohydrate (5949-29-1)</b>	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil.
<b>Sodium N-lauroylsarcosinate (137-16-6)</b>	
Persistence and degradability	Readily biodegradable in water.

12.3 Bioaccumulative potential : Not relevant

### 12.4 Mobility in soil

<b>Sodium N-lauroylsarcosinate (137-16-6)</b>	
Surface tension	0,0405 N/m (20C; 2%; 0,0683 N/m; 20C; 0.001%)

12.5 Results of PGT and vPvB assessment : Not relevant

12.6 Other adverse effects : Avoid release in to the environment.

## 13. Disposal Considerations

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### 13.1 Waste treatment methods

Wastes generated & containment: Collect in containers labelled as hazardous industrial waste.  
Methods of Disposal: By authorised contractor to licensed disposal site.  
EEC/National Regulation Applying: UK Control of Pollution (Special Waste) Regulations 1980 SI 1709.

## 14. Transport Information

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14.1 UN number	: Not classified as dangerous in terms of transport.
14.2 UN proper shipping name	: Not relevant
14.3 Transport hazard class(es)	: Not classified as hazardous for transport.
14.4 Packing group	: Not relevant
14.5 Environmental hazards	: Not relevant

**14.6 Special precautions for user** : Not relevant

## **15. Regulatory Information**

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

The data has been supplied and should be considered within the accordance of Control of Substances Hazardous to Health and Regulations (COSHH).

Other local special regulations must be adhered to when using this product, containing it or dispose of.

### **15.2 Chemical safety assessment**

No chemical safety assessment has been carried out on this product.

## **16. Other Information**

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**Training Advice:** Contact Ceratex Engineering Ltd.

**Data sources:** ECHA Article 59(10) of the REACH Regulation. COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 1272/2008

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