



PANTHER POWER

TECHNICAL DATA SHEET

Revision: 14/07/2017

ALU CLEANER

PROFESSIONAL CLEANING SYSTEMS

Aluminum Cleaner

Application:

ALU CLEANER is used for removing oxidation and soils from aluminum parts and equipment.

Directions:

ALU CLEANER can be used by spray or dip application.

Dip application:

Dilute 1 part ALU CLEANER to 20 parts water and immerse parts to be cleaned. Allow to stand for 2 minutes and flush with cold water.

Spray application:

Dilute 1 part ALU CLEANER to 10 parts water and spray onto surface to be cleaned. Let stand for 1 to 2 minutes but before it dries flush thoroughly with cold water.

PRODUCT DESCRIPTION

- ALU CLEANER is an aluminum cleaner and brightener. It is a blend of selected acids, wetting agents and corrosion inhibitors.

CAUTION

- Keep out of reach of children
- Avoid contact with skin and eyes, gloves should be worn when using this product.
- Harmful if swallowed
- Do not use ALU CLEANER on zinc or magnesium alloys.

PACKAGING AND STORAGE

- ALU CLEANER is available in 5lt and 25lt polycans.

For more detailed safety instructions, refer to our Material Safety Data Sheet

We believe that the product referred to herein, will perform the function/s for which they are intended, but do not, in any way guarantee or warrant that they will do so, as conditions of actual use are beyond our control, under no circumstances shall we be liable for any consequential loss of profits arising from their use.



SAFETY DATA SHEET



ALU CLEANER

1 Product Identification

| | |
|--------------------------|---|
| Trade name | ALU CLEANER |
| Chemical abstract number | N/A |
| Chemical family | Acidic Mixture |
| NIOSH number | N/A |
| UN number | N/A |
| Synonyms | Aluminum Cleaner and Brightener |
| Issue Date | 30 June 2021 |
| Manufacturer's Name | PANTHER POWER |
| Address | Durban 3610 15 Goshawk Road New Germany |
| Telephone Number | (083) 251 7363 |

2 Hazardous Identification

Classification of the substance or mixture:
Flammability

Skin sensitization - Category 1
Skin Corrosion / Irritation - Category 3 - Not likely
Serious eye damage irritation - Category 2B - None
Specific target organ toxicity - Single Exposure - Category 3
SANS 10234 : 2008

Signal word:
Hazard statements:

Warning - None

Skin:

H303 - May be harmful if swallowed.
H316 - Not expected to cause significant irritation.
H317 - May cause an allergic skin reaction

Eyes:

H320 - Burning sensation, redness and swelling.

Inhalation:

H333 - No signs and symptoms expected.

Ingestion:

H335 - Mild irritant to nasal passages

Carcinogenicity:

H402 - No

Precautionary statements

P103 - Read label before use.
P102 - Keep out of reach of children. P101 - If medical advice is needed, have product container or label at hand.
P08 - Wear eye or face protection.

General:

P261 - Avoid breathing vapor.
P333 + 313 - If skin irritation or rash occurs. Get medical attention.

Prevention:

P305 + 351 + 338 - IF ON EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Response:

P337 + 313 - If eye irritation persists : Get medical attention.

3 Composition

Substance/mixture:

Aluminum Cleaner and Brightener.

Other means of identification:

None.

Case number / other identifiers

Case number

Not applicable.

| Ingredient(s) Name | CAS No. | % | SANS 10234 |
|--------------------|-----------|------|--|
| Sulphuric Acid | 7664-93-9 | <25% | Skin Irrit. - H317; Eye Irrit. - H320; Ingest Irrit. - H335 |

4 First Aid Measures

Product in eye:

Flush with water and seek medical attention if redness persists.

Product on skin:

Wash with soap and water. Remove contaminated clothing and rinse. Seek medical attention should burns develop.

Product ingested:

Drink large amounts of water or milk. Do not induce vomiting. Seek immediate medical attention.

Product inhaled:

Remove to fresh air.



5 Fire Fighting Measures

| | |
|----------------|--|
| Extinguishing: | Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear the fire equipment all the time. |
|----------------|--|

6 Accidental Release Measures

| | |
|----------------------|---|
| Extinguishing media: | Suitable for surrounding materials. |
| Special hazards: | None known. |
| Protective clothing: | Full protective clothing. Avoid contact with the product. |

7 Handling and Storing

| | |
|-----------|---|
| Storage: | Keep container tightly closed. Keep cool and well ventilated. Keep away from foodstuffs and children |
| Spills: | Contain spill and neutralize with soda ash. Absorb with inert material and hold for disposal. |
| Handling: | Do not ingest. Avoid contact with eyes. Wear suitable protective clothing. If ingested seek medical advice immediately and show the container or label. |

8 Exposure Control / Personal Protection

| | |
|------------------------------------|--|
| Occupational exposure limits: | TLV IS 1 MG/M3 |
| Engineering control measures: | Non required if use in well ventilated area |
| Hygiene Safety Measures: | Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of the day. |
| Personal protection - respiratory: | Not expected to be necessary. |
| Personal protection - hand: | Impervious rubber gloves. |
| Personal protection - eye: | Chemical goggles if splashing probable. |
| Personal protection - skin: | Apron, overall and boots. |
| Other protection: | To prevent contact with skin. |

9 Physical and Chemical Properties

| | |
|---------------------------|-----------|
| Appearance: | Liquid. |
| Odour: | Acidic |
| Colour: | Clear |
| pH: | 1 |
| Boiling point: | N/A |
| Melting point: | N/A |
| Flash point: | None |
| Flammability: | No |
| Autoflammability: | No |
| Explosive properties: | No |
| Oxidizing properties: | No |
| Vapour pressure: | N/A |
| Density: | 1.08 g/ml |
| Solubility - water: | Soluble |
| Solubility - solvent: | No |
| Solubility - coefficient: | N/A |
| Neurotoxicity: | No |

10 Stability and Reactivity

| | |
|-----------------------------------|-------------------------------|
| Conditions to avoid: | Stable in normal conditions. |
| Incompatible materials: | Aluminum, zinc, iron, alkalis |
| Hazardous decomposition products: | No |

11 Toxicological Information

| | |
|-----------------------|-----|
| Acute toxicity: | N/A |
| Skin and eye contact: | N/A |
| Chronic toxicity: | N/A |
| Carcinogenicity: | No |
| Mutagenicity: | No |
| Reproductive hazards: | No |

12 Ecological Information

| | |
|-----------------------------|-----|
| Acute toxicity: | N/A |
| Skin and eye contact: | N/A |
| Chronic toxicity: | N/A |
| Carcinogenicity: | No |
| Mutagenicity: | No |
| Reproductive hazards: | No |
| Aquatic toxicity - fish: | N/A |
| Aquatic toxicity - daphnia: | N/A |
| Aquatic toxicity - algae: | N/A |
| Biodegradability: | N/A |
| Bio-accumulation: | N/A |
| Mobility: | N/A |
| German wgk: | N/A |

13 Disposal Considerations

| | |
|------------------------|---|
| Disposal methods: | Neutralize with soda ash. Dispose in accordance with local regulations. |
| Disposal of packaging: | Recycle or dispose of at approved sites. |

14 Transportation Information

| | |
|------------------------------|-----|
| UN no.: | N/A |
| Substance identity no.: | N/A |
| ADR/RID class: | N/A |
| ADR/RID item no.: | N/A |
| ADR/RID hazard identity no.: | N/A |
| IMDG - shipping name: | N/A |
| IMDG - class: | N/A |
| IMDG - packaging group: | N/A |
| IMDG - marine pollutant: | N/A |
| IMDG - EMS no.: | N/A |
| IMDG MFAG table no.: | N/A |
| IATA - shipping name: | N/A |
| IATA - class: | N/A |
| IATA - subsidiary risk(s): | N/A |
| ADNR - class: | N/A |
| UK - emergency action class: | N/A |
| Tremcard no.: | N/A |



15 Regulatory Information

| | |
|----------------------------|-----------------------|
| EEC hazard classification: | N/A |
| Risk phases: | R35 |
| Safety phases: | Burns skin on contact |
| National legislation | N/A |

16 Other Information

Other Special Consideration No Known

To the best of our knowledge, the information contained herein is correct. We do not assume any liability for the consequences of its use since the information may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available following the issuance of this document could suggest modification of the information. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. All materials may present unknown hazards and should be used with caution.

We believe that the product referred to herein, will perform the function/s for which they are intended, but do not, in any way guarantee or warrant that they will do so, as conditions of actual use are beyond our control, under no circumstances shall we be liable for any consequential loss of profits arising from their use.

N/A = Not Available

