



PROFESSIONAL CLEANING PRODUCTS

PRODUCT INFORMATION SHEET

ALU SAFE DISH WASH

ALUMINIUM SAFE MACHINE DISH WASH DETERGENT

PRODUCT INFORMATION:

A high quality, concentrated alkaline dish washing detergent suitable for use in all types of spray dish washing machines. Contains a scale inhibitor to optimise detergency even in very hard water areas to cut through grease & grime leaving a streak free finish. Unlike other machine dish washing liquids it is safe to use aluminium pots, pans & baking trays.

ADVANTAGES:

REMOVES EVEN
TENACIOUS SOILING:

Contains a powerful blend of alkalis, sequestering agent & non-ionic detergents, which cuts through even the heaviest of grease & grime.

NON-FOAMING:

Alu Safe Dish Wash is totally non-foaming making it ideal for use in industrial and catering operations.

SUITED TO HARD OR
SOFT WATER:

Contains a sequestering agent which inhibits scale formation and optimizes detergency even in very hard water areas.

LEAVES NO STREAKS
OR SMEARS:

Easily rinsed off, particularly if a good quality rinse aid is used in conjunction with it during the rinse cycle.

BIODEGRADABLE:

Fully biodegradable.

SOLUBILITY:

100% soluble in water.

DIRECTIONS FOR USE:

Use in dish washing machines as per manufacturer's guidelines at a rate of 0.01% - 0.05% or 1ml - 5ml per litre of water depending on degree of soiling. Suitable for aluminium or aluminium alloy trays & utensils. Do not use for hand washing of utensils. Do not mix with other cleaners, particularly acid based cleaners.

HEALTH AND SAFETY:

See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.

Size: 5Lt Drums & 20 Lt. Drums

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PRODUCT NAME: ALU SAFE DISH WASH

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name ALU SAFE DISH WASH
Product No. KR 308

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

Identified uses: Aluminium Safe Machine Dish Wash Detergent

1.3. Details of the supplier of the safety data sheet

Supplier Cleanfast.ie
Ashleigh House, JFK Road, Dublin 12
Tel: 1800 848700 (free) Email: info@fastdeal.ie

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008: H290, H314, H335
Human health: May be corrosive to metals. Causes severe skin burns & eye damage.
May cause respiratory irritation
Environment: The product is Readily Biodegradable and not expected to be hazardous to the environment.

2.2. Label elements

Detergent Labelling: Contains: Disodium Metasilicate Pentahydrate



DANGER



WARNING

Labelling

Hazard Phrases H290 May be corrosive to metals
H314 Causes severe skin burns & eye damage
H335 May cause respiratory irritation

Precautionary Statements P234 Keep only in the original container
P260 Do not breathe vapours or spray mists
P264 Wash hands thoroughly after handling
P271 Use only in a well-ventilated area
P280 Wear protective gloves clothing, eye & face protection
P301, IF SWALLOWED: Rinse out mouth immediately with water. Do not
330 & induce vomiting. Immediately call a poison centre or
331 doctor/physician.
P303, IF ON SKIN: Remove contaminated clothing & rinse skin
361& thoroughly with soap & water. Immediately call a poison centre or
331 doctor/physician.
P304 IF INHALED: Remove immediately from source to fresh air & keep
comfortable for breathing. Obtain medical attention if any
discomfort continues.

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P305 IF IN EYES: Flush eyes with water, remove contact lenses if & 312 present & continue rinsing. Immediately call a poison centre or doctor/physician.

P390 Absorb spillage to prevent material damage

P405, 406 Store locked up in a corrosive resistant plastic drum in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container to in accordance with local regulations. Recover, reclaim or recycle, where possible.

2.3. Other hazards N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

DISODIUM METASILICATE PENTAHYDRATE CAS-No.: 10213-79-3 EC No.: 229-912-9	5-10%
Classification (EC 1272/2008) Metal Corr. 1 – H290 Skin Corr. 1B - H314 STOT SE 3 - H335	
DIPHOSPHORIC ACID, TETRAPOTASSIUM SALT CAS-No.: 7320-34-5 EC No.: 230-785-7	5-10%
Classification (EC 1272/2008) Eye Irrit. 2 - H319	
SODIUM POLYACRYLATE CAS-No.: 9003-04-7 EC No.:	1-5%
Classification (EC 1272/2008) Eye Irrit. 2 - H319	

A Full Text for all Hazard Statements are Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove immediately from source to fresh air. Obtain medical attention if any discomfort continues.
Skin Contact:	Remove contaminated clothing & rinse skin thoroughly with soap & water. Obtain medical attention if irritation persists.
Eye Contact:	Flush eyes with water, remove contact lenses if present & continue rinsing. Immediately call a poison centre or doctor/physician.
Ingestion:	Rinse out mouth immediately with water. Immediately call a poison centre or doctor/physician.
Protection of first aider:	Avoid inhalation, ingestion, contact with skin and eyes (see Section 8.)

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

Inhalation:	Spray mists may cause coughing, chest tightness, feeling of chest pressure.
Ingestion:	May cause extreme discomfort if swallowed. May cause internal injury
Skin contact:	May cause serious chemical burns to the skin.
Eye contact:	Extreme irritation & damage of eyes & mucous membranes, including burning &/or tearing. Risk of serious damage to eyes

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure

SECTION 5: FIRE FIGHTING MEASURES

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| 5.1 Suitable Extinguishing Media: | Water, Foam. |
| 5.2 Unsuitable: | N/A |
| 5.3 Specific Hazards: | Does not present any particular risk in the event of fire. |
| 5.4 Special Equipment for the protection of Fire Fighters: | Fire fighters should wear self-contained breathing apparatus & body protective clothing. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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|--------------------------------|--|
| 6.1 Personal Precautions: | Avoid contact with skin and eyes (see Section 8.) |
| 6.2 Environmental Precautions: | No special measures required |
| 6.3 Methods for Cleaning up: | Small Spills - Flush with water.
Large Spills - Contain and collect spillage and absorb on to sand. |

SECTION 7: HANDLING AND STORAGE

7.1 Handling

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|-----------------------|--|
| Technical Measures: | No special measures required. |
| Safe Handling Advice: | Avoid inhalation, ingestion, contact with eyes & skin. Comply with instructions for use. |

7.2 Storage

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|------------------------|---|
| Technical Measures: | No special measures required. |
| Storage Conditions: | Store locked up in a well-ventilated, cool dry place. Keep tightly closed |
| container | |
| Incompatible Products: | Acids, Strong Oxidizing Agents. |
| Packaging: | Plastic Drums. |
| Packaging Materials: | Recommended: Plastic Materials, Polyethylene, Polypropylene. Not Suitable - Uncoated Metal Drums. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Engineering Measures: No special measures required.
8.2 Personal Protection Equipment:



Hand Protection:



Eye Protection:



Respiratory Protection: Provide adequate ventilation in areas of confined space. If engineering controls do not maintain airborne concentrations below recommended exposure limits, where applicable an air-purifying respirator type ABEK (EN 14387) respirator cartridges must be worn

Use Chemical Resistant Gloves to EN Standard 374 Level 1, Letter Code K

Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher



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Skin Protection: Wear Plastic Apron EN Standard 13034 Type PB[6] & Face Shield EN Standard 166 Level 3 or higher

8.3 Hygiene Measures: Handle in accordance with good industrial hygiene & safety practices.

8.4 Occupational Exposure Limits

Name	STD	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15 minute reference period)		Notes
		ppm	mg/m3	ppm	mg/m3	
DISODIUM METASILICATE PENTAHYDRATE	OELV				2	

OELV = Occupational Exposure Limit Value

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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|--|-------------------|
| a) Appearance: | Red Liquid. |
| b) Odour: | Chemical |
| c) Odour threshold: | N/A |
| d) pH: | 13+/-0.5 |
| e) Melting point / freezing point: | No data available |
| f) Initial boiling point & boiling range: | No data available |
| g) Flash point: | No data available |
| h) Evaporation rate: | No data available |
| i) Flammability solid, gas): | No data available |
| j) Upper/lower flammability or explosive limits: | No data available |
| k) Vapour pressure: | No data available |
| l) Vapour density: | No data available |
| m) Relative density: | 1.17kg/dm3 |
| n) Solubility(ies): | Soluble in Water |
| o) Partition coefficient: n-octanol/water: | No data available |
| p) Auto-ignition temperature: | No data available |
| q) Decomposition temperature: | No data available |
| r) Viscosity: | No data available |
| s) Explosive properties: | No data available |
| t) Oxidising properties: | No data available |

SECTION 10: STABILITY AND REACTIVITY

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|--|---|
| <u>10.1. Reactivity:</u> | There are no known reactivity hazards associated with this product. |
| <u>10.2. Chemical stability:</u> | Stable under normal temperature conditions and recommended use. |
| <u>10.3. Possibility of hazardous reactions:</u> | Hazardous Polymerisation N/A |
| <u>10.4. Conditions to avoid:</u> | Avoid Extreme Temperatures. Avoid contact with acids &/or oxidising agents. |
| <u>10.5. Incompatible materials:</u> | Acids &/or oxidizing agents |
| <u>10.6. Hazardous decomposition products:</u> | None under normal conditions. |

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SECTION 10: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation:	Spray mists may cause coughing, chest tightness, feeling of chest pressure.
Ingestion:	May cause extreme discomfort if swallowed. May cause internal injury
Skin contact:	May cause serious chemical burns to the skin.
Eye contact:	Extreme irritation & damage of eyes & mucous membranes, including burning &/or tearing. Risk of serious damage to eyes

11.2. Toxicological information on ingredients:

DISODIUM METASILICATE PENTAHYDRATE (CAS: 10213-79-3)

Acute Toxicity (Oral LD50)
994 mg/kg Rat
Acute Toxicity (Dermal LD50)
> 3000 mg/kg Rat
Acute Toxicity (Inhalation LC50)
> 2.06 mg/l (vapours) Rat
REACH dossier information

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

This product is Readily Biodegradable and not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients:

DISODIUM METASILICATE PENTAHYDRATE (CAS: 10213-79-3)

Acute Toxicity - Fish
LC50 96 hours 210 mg/l Brachydanio rerio (Zebra Fish)
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 7.8 pH Daphnia magna
Acute Toxicity - Aquatic Plants
EC50 72 hours 207 mg/l Desmodesmus subspicatus
REACH dossier information

12.2. Persistence and degradability

Degradability: The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Ecological information on ingredients.

DISODIUM METASILICATE PENTAHYDRATE (CAS: 10213-79-3)

Biodegradation
Scientifically unjustified.
REACH dossier information

12.3. Bioaccumulative potential:

No data available on bioaccumulation.

12.4. Mobility in soil:

Mobility: The product is soluble in water.

12.5. Results of PBT and vPvB assessment:

Not determined.

12.6. Other adverse effects:

Not determined.

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SECTION 13: DISPOSAL CONSIDERATIONS

General information: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

SECTION 14: TRANSPORT INFORMATION

REGULATIONS	CLASS
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RID/ADR:	8
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ICAO/IATA-DGR:	8
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GGVSee/IMDG-Code:	8
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14.1. UN number UN 3253

14.2. UN proper shipping name DISODIUM TRIOXOSILICATE

14.3. Transport hazard class(es) N/A

14.4. Packing Group III

14.5. Environmental Hazards

Environmentally Hazardous Substance/Marine Pollutant: N/A

14.6. Special precautions for user NA

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: T1, TP33

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.
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Guidance Notes

Workplace Exposure Limits EH40.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

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Hazard Statements In Full

H290 May be corrosive to metal

H314 Causes severe skin burns & eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.
