

Product: **ALTUGLAS® CLEANER**

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SDS No.: 003158-001 (Version 2.0)

Date 30.06.2014 (Cancel and replace : 17.10.2011)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the product

Identification of the mixture: ALTUGLAS® CLEANER

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

Use of the Substance/Mixture : Cleaning products.

1.3. Details of the supplier of the safety data sheet

Supplier

ALTUGLAS INTERNATIONAL
Immeuble Vision Défense
89 boulevard National
F-92257 La Garenne-Colombes
Tel: +33 (0)1 78 66 23 00
Fax: +33 (0)1 78 66 23 96
<http://www.altuglasint.com>
E-mail address: inforequest@altuglasint.com

1.4. Emergency telephone number

European emergency phone number : 112
For UK : National Chemical Emergency Centre Tel: 01865 407 333

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008):

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification according to EU Directives 1999/45/EC :

This mixture is not classified as dangerous according to Directive 1999/45/EC.

2.2. Label elements

Label elements (REGULATION (EC) No 1272/2008):

Additional information: No label necessary for this product.

2.3. Other hazards

Potential health effects:

Inhalation: Risk of irritation of respiratory system
Skin contact: Prolonged or repeated contact may dry skin and cause irritation.
Eye contact: Risk of eye irritation.

Other:

Results of PBT and vPvB assessment : This information is not required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical nature of the mixture¹:
Aqueous surfactant solution.

¹: See chapter 14 for Proper Shipping Name

²: See the text of the regulation for applicable exceptions or provisions: The transition time according to REACH Regulation, Article 23, is still not expired.

4. FIRST AID MEASURES

4.1. & 4.2. Description of necessary first-aid measures & Most important symptoms/effects, acute and delayed:

Inhalation:

Move to fresh air. Oxygen or artificial respiration if needed. In case of problems: Consult a physician.

Skin contact:

Wash off immediately with plenty of water. If skin irritation persists, call a physician.

Eye contact:

Wash well-open eyes immediately, abundantly and thoroughly with water. If irritation persists, consult an ophthalmologist.

Ingestion:

Do NOT induce vomiting. In case of problems: Consult a doctor.

Protection of first-aiders:

In case of insufficient ventilation, wear suitable respiratory equipment.

4.3. Indication of immediate medical attention and special treatment needed, if necessary: No data available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water spray, Dry powder, Carbon dioxide (CO₂), Foam

5.2. Special hazards arising from the substance or mixture:

Thermal decomposition giving flammable and toxic products: Organic vapours, Carbon oxides (by combustion)

5.3. Advice for firefighters:

Specific methods:

Ensure a system for the rapid emptying of containers. In case of fire nearby, remove the bags.

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Avoid contact with the skin and the eyes. Avoid inhalation of vapours.

6.2. Environmental precautions:

Do not release into the environment. Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up:

Recovery:

Recover the product. Absorb the remainder with an inert absorbent material. After cleaning, flush away traces with water. Recover waste water for processing later.

Elimination:

Destroy the product by incineration (in accordance with local and national regulations).

6.4. Reference to other sections: None.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Technical measures/Precautions:

Storage and handling precautions applicable to products: Liquid. Slightly irritating. Provide appropriate exhaust ventilation at machinery. Provide showers, eye-baths.

Safe handling advice:

At all stages of the operation, do not exceed the temperature at which decomposition into toxic products will occur. Remove all sources of ignition. Only use safety equipment. Avoid inhalation of vapours. In case of insufficient ventilation, wear suitable respiratory equipment

Hygiene measures:

Avoid contact with the skin and the eyes. Avoid inhalation of vapours. When using do not eat, drink or smoke.
Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities:

Keep in a cool, well-ventilated place. Store away from frost. Keep away from heat and sources of ignition. Do not smoke. Provide earthing and safe electrical equipment.

Packaging material:

Recommended: Ordinary steel

7.3. Specific end use(s): None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Exposure Limit Values Not relevant

Derived No Effect Level (DNEL):

This information is not required.

Predicted No Effect Concentration:

This information is not required.

8.2. Exposure controls:

General protective measures: Provide appropriate exhaust ventilation at machinery.

Personal protective equipment:

Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection:	Protective gloves
Eye/face protection:	Safety glasses with side-shields
Skin and body protection:	Protective suit

Environmental exposure controls: See chapter 6

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:

Physical state (20°C):	liquid
Colour:	Whitish.
Odour:	sweet
Olfactory threshold:	No data available.
pH:	pH 7,0
Melting point/range:	No data available.
Boiling point/boiling range :	100 °C
Flash point:	Has no measurable flash point up to the boiling point
Evaporation rate:	No data available.
Flammability (solid, gas):	
Flammability:	Not applicable
Vapour pressure:	23 mbar
Vapour density:	No data available.
Density:	1.000 kg/m ³ , at 20 °C
Water solubility:	completely soluble at 20 °C
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	
Explosivity:	Not relevant

Oxidizing properties: Not relevant

9.2. Other data: None.

10. STABILITY AND REACTIVITY

10.1. & 10.2. Reactivity & Chemical stability:

The product is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions: No data available.

10.4. Conditions to avoid:

Store away from moisture and heat to maintain the technical properties of the product. Remove all sources of ignition. Protect from light.

10.5. Incompatible materials to avoid: No data available.

10.6. Hazardous decomposition products:

Thermal decomposition giving flammable and toxic products:, Organic vapours, Carbon oxides (by combustion)

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Inhalation: According to its composition, can be considered as : Slightly harmful by inhalation

Ingestion: According to its composition, can be considered as : Slightly harmful by ingestion

Dermal: According to its composition, can be considered as : Slightly harmful in contact with skin

Local effects (Corrosion / Irritation / Serious eye damage):

Skin contact:

Direct contact with product :
• In man : Risk of :, Dryness through repeated or prolonged contact

Eye contact:

• In man : Direct contact with product :, May cause eye irritation.

Respiratory or skin sensitisation:

Inhalation: No data available.

Skin contact: According to its composition, can be considered as : Not a skin sensitizer

CMR effects :

Mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity :

Single exposure :

Inhalation:

• In man : Inhalation of vapours/mists :, Possible irritation of respiratory system

Repeated exposure:

No data available.

Aspiration hazard: No data available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity :

Fish: According to its composition, can be considered as : , Slightly harmful to fish

Aquatic invertebrates: No data available.

12.2. Persistence and degradability :

Biodegradation (In water): According to its composition, can be considered as : , Readily biodegradable

12.3. Bioaccumulative potential :

Bioaccumulation: According to its composition, can be considered as : , Not bioaccumulable

12.4. Mobility in soil - Distribution among environmental compartments: No data available.

12.5. Results of PBT and vPvB assessment :

This information is not required.

12.6. Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment:

Disposal of product: Destroy the product by incineration (in accordance with local and national regulations).

Disposal of packaging: Destroy packaging by incineration at an approved waste disposal site (in accordance with local and national regulations).

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Safety data sheets: according to Regulation (EC) No. 1907/2006

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

UK REGULATION Chip3: Chemical (Hazard Information and Packaging for Supply) Regulations 2002

15.2. Chemical Safety Assessment: None.

INVENTORIES:

EINECS: Conforms to
TSCA: Conforms to
AICS: Conforms to
DSL: All components of this product are on the Canadian DSL.
ENCS (JP): Conforms to
KECI (KR): Conforms to
PICCS (PH): Conforms to
IECSC (CN): Conforms to
NZIOC: Conforms to

16. OTHER INFORMATION

Update:

Safety datasheet sections which have been updated:	Type:
General update of Safety Data Sheet.	

Thesaurus:

NOAEL : No Observed Adverse Effect Level (NOAEL)
LOAEL : Lowest Observed Adverse Effect Level (LOAEL)
bw : Body weight
food : oral feed
dw : Dry weight
vPvB : very Persistent and very Bioaccumulative
PBT : Persistent, Bioaccumulative and Toxic

This information applies to the PRODUCT AS SUCH and conforming to specifications of ARKEMA. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).