

1 Identification

- **Product identifier**
- **Trade name:** HALOX® XTAIN® A
- **Application of the substance / the mixture**
 Pigment
 Stain inhibitor
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 ICL Advanced Additives-Hammond
 6530 Schneider Ave
 Hammond IN 46322
 USA
- **Information department:** Sales
- **Emergency telephone number:**
 Chemtrec: 800-424-9300
 +1 (703) 527-3887 (International)

Tel.: ++1-219-933-1560

Fax: ++1-219-933-1570

2 Hazard(s) identification

- **Classification of the substance or mixture**
 The product is not classified according to the Globally Harmonized System (GHS).
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
- **Classification system:**
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system**
- **NFPA ratings (scale 0-4)**



- **HMIS**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

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

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** inorganic pigment

- **Dangerous components:**

21645-51-2	Aluminium hydroxide	25 - 50%
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14940-68-2 Zirconium silicate

25 - 50%

4 First-aid measures

- **Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact**
Wash with plenty of soap and water.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Remove contact lenses, if present and easy to do.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** symptomatic treatment

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** None
- **Special hazards arising from the substance or mixture**
Oxides of phosphorus (PxOy)
Aluminium oxide smoke
Zirconium oxide
- **Advice for firefighters**
- **Protective equipment:** Use suitable respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
Do not breathe dust.
Avoid contact with skin and eyes.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

· Handling

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Provide suction extractors if dust is formed.

Do not breathe dust.

Avoid prolonged or repeated skin contact.

Avoid contact with eyes.

Make sure that all applicable workplace limits are observed.

· Information about protection against explosions and fires: No special measures required.

· Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by storerooms and receptacles:

Observe all local and national regulations for storage of water polluting products.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Store receptacle in a well ventilated area.

Store in cool, dry conditions in well sealed receptacles.

· Specific end use(s) No further relevant information available.

* 8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

Zirconium compounds (as Zr)

NIOSH REL: 5 mg/m³ TWA, 10 mg/m³ STEL

OSHA PEL: 5 mg/m³ TWA

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

21645-51-2 Aluminium hydroxide

REL	Long-term value: 2 mg/m ³ as Al
TLV	Long-term value: 1* mg/m ³ as Al; *as respirable fraction

· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment

· General protective and hygienic measures

Do not breathe dust.

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

Wash hands before breaks and at the end of work.

· Breathing equipment:

Dust proof mask - particle filter mask filter

If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.

· Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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Check the permeability prior to each renewed use of the glove.

To avoid skin problems reduce the wearing of gloves to the required minimum.

Sensibilization by the components in the glove materials is possible.

· **Material of gloves**

Rubber gloves

Leather gloves

· **Penetration time of glove material**

Protective gloves should be replaced at first signs of wear.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Powder

Color: White

· **Odor:** odorless

· **Odor threshold:** no data available

· **pH-value (100 g/l) at 20 °C (68 °F):** 10.0 (disp.)

· **Change in condition**

Melting point/Melting range: 1540 °C (2804 °F)

Boiling point/Boiling range: Not applicable

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** Not applicable

· **Ignition temperature:** Not applicable

· **Decomposition temperature:** Not determined

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Not applicable

Upper: Not applicable

· **Oxidizing properties** not classified as oxidising

· **Vapor pressure:** Not determined

· **Density at 20 °C (68 °F):** 3.1 g/cm³ (25.87 lbs/gal)

· **Relative density at 20 °C (68 °F)** 3.1 (H₂O = 1)

· **Vapour density (AIR = 1)** Not determined

· **Evaporation rate** Not determined

· **Solubility in / Miscibility with**

Water at 20 °C (68 °F): 1.2 g/l

· **Partition coefficient (n-octanol/water):** Not determined

· **Viscosity:**

dynamic: Not applicable

kinematic: Not applicable

· **Other information** No further relevant information available.

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10 Stability and reactivity

- **Reactivity** See Possibility of hazardous reactions (below)
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
Strong acids
Ammonia
- **Hazardous decomposition products:**
Phosphorus oxides (e.g. P₂O₅)
Silica fumes
Aluminium oxide smoke
Zirconium oxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

21645-51-2 Aluminium hydroxide

Oral LD50 > 2000 mg/kg (rat, female) (OECD 423)

- **Primary irritant effect:**
- **on the skin:** Dust particles may mechanically irritate the skin.
- **on the eye:** Dust particles may mechanically irritate the eye.
- **Subacute to chronic toxicity:**
Repeated or prolonged exposure to dusts may result in deposition of dust particles in the lungs.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Other information:**
Methods for the determination of biodegradability are not applicable to inorganic substances.

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- **Behavior in environmental systems:**
- **Bioaccumulative potential** not bioaccumulative
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment) (German regulation): slightly hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to local/official regulations.

14 Transport information

· UN-Number	
· DOT, ADR, IMDG, IATA	Void
· UN proper shipping name	
· DOT, IMDG, IATA	Void
· ADR	Void
· Transport hazard class(es)	
· DOT, ADR, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

*15 Regulatory information

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

- **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

- **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

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· **TSCA (Toxic Substances Control Act) (Substances not listed)**

None of the ingredients is listed.

· **Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

· **Prop 65 - Chemicals known to cause developmental toxicity**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **National regulations**

· **Disturbance regulations:** Directive 2012/18/EU does not apply.

· **Water hazard class:**

Water hazard class 1 (Self-assessment) (German regulation): slightly hazardous for water.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

· **Date of preparation / last revision** 06/07/2017 / 4

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

· *** Data compared to the previous version altered.**