

# SAFETY DATA SHEET

## Section 1. Identification of the substance/mixture and of the company/undertaking

### Product identifier

**Product Name:** GU-PLAST Aluminum Cleaner

**Product Code:** H-00014-00-0-0

### Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use(s):** Cleaning product

### Details of the supplier of the safety data sheet

**Manufacturer:** Ferco Architectural Hardware Inc  
2000 Rue Berlier  
Laval Quebec H7L 4S4  
Canada

**Url:** <http://www.ferco.ca>

**Contact:** **General:** 450-973-1437

## Section 2. Hazards identification

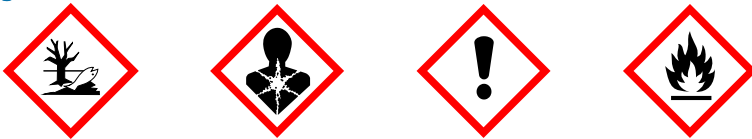
### Classification of the substance or mixture

#### GHS Classification for mixture:

Specific target organ toxicity - single exposure - Category 3 (Narcotic)  
Hazardous to the aquatic environment, long-term (Chronic) - Category 2  
Aspiration Hazard - Category 1  
Skin irritation - Category 2  
Flammable Liquids - Category 2

### Label elements

#### Pictograms:



#### Signal Words:

Danger

#### Hazard Statements:

Highly flammable liquid and vapour.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause drowsiness or dizziness.  
Toxic to aquatic life with long lasting effects.

#### Precautionary Statements:

##### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Keep container tightly closed.  
Keep cool.  
Ground and bond container and receiving equipment.  
Use explosion-proof electrical, ventilating, lighting equipment.  
Use non-sparking tools.  
Take action to prevent static discharges.  
Avoid breathing vapors, spray.  
Wash exposed area thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.  
Wear protective gloves, eye protection.

**Response**

Immediately call a doctor.  
IF SWALLOWED: Immediately call a POISON CENTER.  
Call a doctor if you feel unwell.  
If skin irritation occurs: Get medical attention / advice.  
Specific treatment (see None on this label).  
Do NOT induce vomiting.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF ON SKIN (or hair): Rinse skin with water or shower  
IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Take off contaminated clothing. And wash it before reuse.  
In case of fire: Use use CO2, dry powder, water spray, alcohol resistant foam to extinguish.  
Collect spillage.

**Storage**

Store in a well-ventilated place.  
Store locked up.

**Disposal**

Dispose of contents to an approved waste disposal plant.

**Other hazards**

No available data for this section.

**Section 3. Composition/information on ingredients****Substances**

No available data for this section.

**Mixtures**

Identifiers	Ingredients	Percentage	Classification
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	80% to 100%	Asp. Tox. 1, STOT SE 3, Flam. Liq. 2, Skin Irr. 2, Eye Irr. 2

**Section 4. First-Aid Measures****Description of First Aid Measures****In the event of splashes or contact with eyes**

Wash eyes with plenty of water. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

**In the event of splashes or contact with skin**

Take off all contaminated clothing and wash it before reuse. Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention. If you feel unwell, call a poison center, doctor, or medical service.

### In the event of ingestion

DO NOT INDUCE VOMITING. If after ingestion you feel unwell, seek medical advice. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Danger of aspiration.

### In the event of inhalation

If after inhalation you feel unwell, seek medical advice. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Remove person to fresh air and keep at rest in a position comfortable for breathing.

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

Headaches. Dizziness. Effects/damages the central nervous system. Coordination disorders. Unconsciousness. Ingestion. Nausea. Vomiting. Danger of aspiration. Oedema of the lungs. Chemical pneumonitis.

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

No available data for this section.

## Section 5. Firefighting Measures

### Extinguishing media

#### Suitable Extinguishing Media

**The suggested appropriate media:** Alcohol-resistant foam. Carbon dioxide. Powder BC. Water spray.

#### Unsuitable Extinguishing Media

High power water jets.

## Special hazards arising from the substance or mixture

### Specific Hazards Arising from Combustion of Products

**Fire / decomposition hazards:** Gas, vapors, or dust are irritating to skin and eyes. Gas, vapors, or dust are toxic.

### Combustion Products

Oxides of carbon (CO<sub>x</sub>).

## Advice for firefighters

### Protective Measures for Fire-Fighting

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

### Special Protective Actions for Fire-Fighters

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Evacuate the people from the area.

### Other Information for Fire Fighters

No available data for this section.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Eliminate all sources of heat and ignition. Evacuate the people from the area. Ventilate area with explosion-proof equipment ONLY. Spilt product can cause a slippery condition.

### Environmental precautions

Dike area to prevent runoff and contamination of water sources. Dispose of the material in accordance with government regulations. Dispose of via a licensed waste disposal contractor. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Notify the competent local authorities of any large scale spill.

## Methods and material for containment and cleaning up

**Large spills:** Evacuate the area. If possible, dike the area to prevent spreading.

Absorb with earth, sand, or other non-combustible material. Collect liquid with EXPLOSION PROOF pumps. Ensure cleanup is conducted by trained personnel only. Move containers from spill area if there is no risk. Stop leak if safe to do so.

## Reference to other sections

No available data for this section.

## Section 7. Handling and Storage

### Precautions for safe handling

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Avoid contact with eyes. Avoid direct contact with the substance (solid / liquid / vapor). Do not eat, drink or smoke during handling. Do not handle in a confined space. Do not handle until all safety precautions have been read and understood. Ensure proper electrical grounding procedures are in place. Ensure there is sufficient ventilation of the area. Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. Handle in original packaging. If needed, only use non-sparking tools in the storage area while handling. Keep away from direct sunlight. No smoking or open flame in storage, use, or handling areas. Take action to prevent static discharges. Use explosion proof electrical equipment. Wash any exposed area of body thoroughly after handling. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

### Conditions for safe storage, including any incompatibilities

#### Conditions for Safe Storage

**Keep away from:** Direct sunlight. Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity.

Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. Keep container closed when not in use. Store in accordance with all current regulations and standards. Store only in well-ventilated areas. Take action to prevent static discharges. Ventilate area with explosion-proof equipment ONLY. Not to be stored gangways or stair wells.

#### Suitable Packaging

No available data for this section.

#### Incompatible Materials

No available data for this section.

### Specific end use(s)

Cleaning product.

## Section 8. Exposure Controls / Personal Protection

### Control parameters

#### Control Parameters / Limits for Product

No available data for this section.

#### Control Parameters / Limits for Component

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Germany TWA	1300 mg/m <sup>3</sup> .
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North America	No exposure levels set.
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## Exposure controls

### Engineering Measures

Provide adequate general and local exhaust ventilation. Respect the occupational health and safety standards.

### Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency. Respiratory protection is required if the concentrations exceed the TLV.

### Eye/Face Protection

Wear splash resistant safety goggles with a face shield.

### Skin and Body Protection

Wear appropriate chemical resistant clothing.

### Hand Protection

**Compatible Gloves Material:** Nitrile. Protective Viton / fluoroelastomer.

Ensure gloves are certified. Wear impermeable gloves.

### Hygiene Measures

Contaminated work clothing should not be allowed out of the workplace. Use in accordance with good hygiene and safety practice. Wash Hands thoroughly after handling.

## Environmental exposure controls

No available data for this section.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	Characteristic
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	78-119°C / 172.4-246.2°F
Flash Point	Lesser than 0°C / 32°F
Evaporation rate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	61 hPa at 20°C
Vapor density	Not available
Relative density	Not available
Solubility	Soluble
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available



Viscosity	Lesser than 0.07 K-cm <sup>2</sup> s <sup>-1</sup>
Freezing point	Not available
Density	0.71 g/cm <sup>3</sup> 20°C
Explosion limit (upper)	7.7 %vol
Explosion limit (lower)	0.8 %vol
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl acetate	Not available
Relative density w/r/t water	Not available
Relative density w/r/t air	Not available

## Other Information

No available data for this section.

## Section 10. Chemical Stability & Reactivity Information

### Reactivity

**Reactivity:** The product is known to be non-reactive in ambient conditions.

### Chemical Stability

This product is stable under ambient condition.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur under normal conditions.

### Conditions to Avoid

**Keep away from:** Direct sunlight. Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity.

### Incompatible Materials

**Avoid contact or storage with:** Strong oxidizers.

### Hazardous Decomposition Products

No decomposition hazardous products are specified.

## Section 11. Toxicological Information

### Information on toxicological effects

#### Toxicological Information for Product

No available data for this section.

#### Toxicological Information for Component

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

LC50 Inhalation	Greater than 25.2 mg/l (4h).
LD50 Dermal	Greater than 2920 mg/kg. Rat.
LD50 Oral	Greater than 5840 mg/kg. Rat.

#### Irritation/Corrosion Information for Product

No available data for this section.

#### Irritation/Corrosion Information for Component

No available data for this section.

**Section 12. Ecological Information**

**Toxicity**

**Ecotoxicity Values for Product**

No available data for this section.

**Ecotoxicity Values for Component**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

EC50 3 mg/l (48h). Daphnia magna.

LC50 Environmental 11.4 mg/l (96h). Daphnia magna.

**Persistence and degradability**

No available data for this section.

**Bioaccumulative potential**

**Bioaccumulative Potential for Product**

No available data for this section.

**Bioaccumulative Potential for Component**

No available data for this section.

**Mobility in soil**

No available data for this section.

**Results of PBT and vPvB assessment**

No available data for this section.

**Other adverse effects**

No available data for this section.

**Section 13. Disposal Considerations**

**Waste treatment methods**

**Waste Disposal Regulation(s) / Operation**

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

**Waste Treatment Methods**

No available data for this section.

**Section 14. Transportation Information**

	ADR	IMDG	IATA	DOT
UN number	3295	3295	3295	No available data for this section.

	ADR	IMDG	IATA	DOT
<b>UN proper shipping name</b>	Hydrocarbons, liquid, N.O.S	Hydrocarbons, liquid, N.O.S. (Hydrocarbons, C6-C7)	Hydrocarbons, liquid, N.O.S	Hydrocarbons, liquid, N.O.S. (Hydrocarbons, C6-C7)
<b>Transport hazard class(es)</b>	3	3	3	No available data for this section.
<b>Packing group</b>	II	II	II	No available data for this section.
<b>Environmental hazards</b>	No available data for this section.	F-ES-DMarine Pollutant	No available data for this section.	No available data for this section.
<b>Special precautions for user</b>	No available data for this section.			
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	No available data for this section.			
<b>Other</b>	No available data for this section.			

## Section 15. Regulatory Information

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

#### Safety, Health and Environmental Regulations for Product

No available data for this section.

#### Safety, Health and Environmental Regulations for Component

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Canada DSL: Listed.  
 TSCA: Listed.  
 European EINECs: 265-151-9.

### Chemical safety assessment

No available data for this section.

## Section 16. Other Information

### Other Information

No available data for this section.

### Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product

### Glossary

**ACGIH:** American Conference of Governmental Industrial Hygienists.

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

**BCF:** Bioconcentration factor.



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

**CLP:** Classification, Labelling and Packaging of substances and mixtures.

**CMR:** Carcinogenic, mutagenic, reproductive toxin.

**GHS:** Globally Harmonized System of Classification and Labelling of Chemicals. **IATA:** International Air Transport Association.

**LC50:** Lethal Concentration which is lethal to 50% of the population.

**LD50:** Lethal Dose which is lethal to 50% of the population.

**NIOSH:** National Institute of Occupational Safety and Health.

**ppm:** Parts per million.

Authored by:



Verified and approved by:

