

SAFETY DATA SHEET

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

Product identifier

Product Name: GU-PLAST PVC Cleaner Dissolving
Product Code: 9-38970-00-0-0

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

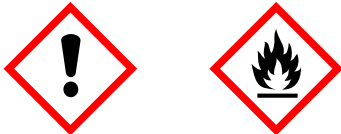
Classification of the substance or mixture

GHS Classification for mixture:

Specific target organ toxicity - single exposure - Category 3 (Narcotic)
Serious eye irritation - Category 2
Flammable Liquids - Category 2

Label elements

Pictograms:



Signal Words:

Danger

Hazard Statements:

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Statements:

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
 Wear protective gloves, eye protection, face protection.

Response

Call a doctor if you feel unwell.
 If skin irritation occurs: Call a POISON CENTER if you feel unwell.
 If eye irritation persists: Get medical attention / advice.
 IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes.
 IF ON SKIN (or hair): Rinse skin with water or shower
 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
 In case of fire: Use CO2, extinction powder, water jet spray, alcohol resistant foam to extinguish.

Storage

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

Disposal

Dispose of contents in accordance with all local, regional, national and international regulations .

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
141-78-6	Ethyl acetate	80% to 100%	STOT SE 3, Flam. Liq. 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. Remove the contact lenses if worn and easy to do that. Hold eyelids open to ensure adequate flushing. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

In the event of splashes or contact with skin

Take all contaminated clothing off immediately and wash it before reuse. Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention.

In the event of ingestion

In case of ingestion of large quantities immediately take the exposed person to hospital. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If the exposed person is drowsy or unconscious, do not give anything by mouth. Rinse the mouth with water. If after ingestion you feel unwell, seek medical advice.

In the event of inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt, or waistband. If the exposed person is not breathing, provide artificial respiration. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If after inhalation you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed

Headaches. Dizziness. Effects/damages the central nervous system. Coordination disorders. Unconsciousness.

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 ABC. 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: A mixture of flammable gases and vapors. Gas, vapors, or dust are irritating to eyes. Gas, vapors, or dust may cause drowsiness or dizziness. Dangerous vapors are heavier than air.

Combustion Products

Oxides of carbon (CO_x).

Advice for firefighters

Protective Measures for Fire-Fighting

Wear full protective clothing. Wear protective goggles to prevent contact with eyes. Wear self-contained breathing apparatus.

Special Protective Actions for Fire-Fighters

Always stay away from tanks engulfed in fire. Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Do not scatter the product. Evacuate the people from the area. Isolate hazard area and deny entry. Dispose off fire control water if there is no potential risk for the environment.

Other Information for Fire Fighters

Flammability: Highly Flammable liquid and vapor.

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. Use explosion-proof electrical/ventilating/lighting equipment. Ventilate area with explosion-proof equipment ONLY. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus or airline.

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. Notify the competent local authorities of any large scale spill. Prevent contamination of soil and surface water.

Methods and material for containment and cleaning up

Large spills: 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 being exposed to gas / mist / dust / fume / vapor / spray / particles. 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. If needed, only use non-sparking tools in the storage area while handling. Keep container tightly closed. 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. Wash Hands 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. If needed, only use non-sparking tools in the storage area. Keep container closed when not in use. Store in accordance with all current regulations and standards. Store in an assigned and marked "Flammables area". Store only in well-ventilated areas. Take action to prevent static discharges. Tanks must be grounded, vented, and should have vapor emission controls. Use explosion-proof electrical/ventilating/lighting equipment. Ventilate area with explosion-proof equipment ONLY. Not to be stored gangways or stair wells`. Solvent resistant floor.

Suitable Packaging

Store in original container / packaging.

Incompatible Materials

Not specified.

Specific end use(s)

No available data for this section.

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Product

Not established for the product or its ingredients.

Control Parameters / Limits for Component

Ethyl acetate	
WEL-STEL	400 ppm.
DNEL Workers, Skin contact, Long-term systemic effects	63 mg/kg.
	1468 mg/m ³ .

DNEL Workers, Inhalation, Short-term, local effects	
DNEL Workers, Inhalation, Short term, systemic effects	DNEL 1468 mg/m ³ .
DNEL Workers, Inhalation, Long-term systemic effects	734 mg/m ³ .
DNEL Workers, Inhalation, Long-term local effects	734 mg/m ³ .
DNEL Consumers, Skin contact, Long-term systemic effects	37 mg/kg.
DNEL Consumers, Inhalation, Long-term systemic effects	367 mg/m ³ .
DNEL Consumers, Inhalation, Long-term local effects	367 mg/m ³ .
DNEL Consumers, Inhalation, Acute local effects	734 mg/m ³ .
DNEL Consumers, Inhalation, Acute systemic effects	734 mg/m ³ .
DNEL Consumer, Oral, Long term, systemic effects	4.5 mg/kg.

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation. Respect the occupational health and safety standards. Take action to prevent static discharges.

Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency.

Eye/Face Protection

Ensure eye bath is at hand. Wear chemical goggles or face shield.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

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.

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	Fruity
Odor threshold	Not available
pH	Not available
Melting point	-83.5°C / -118.3°F
Boiling point	76°C / 168.8°F
Flash Point	-4°C / 24.8°F
Evaporation rate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Not available
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
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

This product has not been tested.

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 acids. Strong bases. Strong oxidizers.

Hazardous Decomposition Products

No available data for this section.

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

No available data for this section.

Toxicological Information for Component

Ethyl acetate

LC50 Inhalation	Greater than 28.6 mg/l (4h).
LD50 Dermal	Lesser than 18000 mg/kg. Rabbit.
LD50 Oral	5620 mg/kg. Rat.

Irritation/Corrosion Information for Product

No available data for this section.

Irritation/Corrosion Information for Component

Ethyl acetate

Eye contact: Causes eye irritation.
Skin contact: 24h, Rabbit, May cause skin dryness or cracking.

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Product

No available data for this section.

Ecotoxicity Values for Component

Ethyl acetate

EC50	610 mg/l (48h). Crustacians: Daphnia magna. 5600 mg/l (48h). Algae: Pseudokirch neriella subcapitata. 3300 mg/l (48h). Algae: Scenedesmus subspicatus.
LC50 Environmental	230 mg/l (96h). Fish: Pimephales promelas.

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

Ethyl acetate

LogPow: 0.68 (3d), Unlikely.
BCF: 30 Fish.

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

Liquid product: Incineration plant.

Avoid release to soil. 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	1993	1993	1993	No available data for this section.
UN proper shipping name	Flammable liquid, N.O.S. (Ethyl acetate)	Flammable liquid, N.O.S. (Ethyl acetate)	Flammable liquid, N.O.S. (Ethyl acetate)	Flammable liquid, N.O.S. (Ethyl acetate)
Transport hazard class(es)	3	3	3	No available data for this section.
Packing group	II	II	II	No available data for this section.
Environmental hazards	No available data for this section.	F-ES-E	No available data for this section.	No available data for this section.
Special precautions for user	No available data for this section.			
Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
Other	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.

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Safety, Health and Environmental Regulations for

Component No available data for this section.

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.

TWA: Time Weighted Average.

WEL: Workplace Exposure Limit - Germany.

ppm: Parts per million.

Authored by:



Verified and approved by:

