SAFETY DATA SHEET

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

Product identifier

Product Name: GU-PLAST PVC Cleaner Non-etching

Product Code: H-00013-00-0-0

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

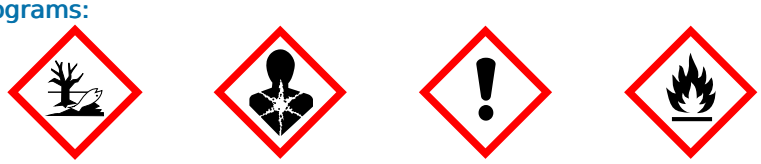
Classification of the substance or mixture

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
Serious eye irritation - Category 2
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.
Causes serious eye 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.
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 fume, gas, vapors, mist, spray.
Wash exposed area thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye protection.

Response
IF SWALLOWED: Immediately call a POISON CENTER.
Call a doctor if you feel unwell.
If skin irritation occurs: Get medical attention / advice.
If eye irritation persists: Get medical attention / advice.
Do NOT induce vomiting.
If eye irritation persists: None.
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.
Take off contaminated clothing. And wash it before reuse.
In case of fire: Use CO_2, extinction powder, water jet spray, alcohol resistant foam to extinguish.
Collect spillage.

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
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
67-63-0	Propan-2-ol	10% to 20%	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. 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 you feel unwell, call a poison center, doctor, or medical service. If redness or other symptoms occur, seek medical advice / attention.

In the event of ingestion

DO NOT INDUCE VOMITING. In case of ingestion of large quantities immediately take the exposed person to hospital. If the exposed person is drowsy or unconscious, do not give anything by mouth. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Monitor for breathing difficulties. 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. 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 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: Gas, vapors, or dust are irritating to skin and eyes. Gas, vapors, or dust are toxic. Gas, vapors, or dust may cause drowsiness or dizziness.

Combustion Products

Oxides of carbon (CO_x).

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

After fire, flush area with water to prevent re-ignition. 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. Person who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning.

Other Information for Fire Fighters

Flammability: Highly Flammable liquid and vapor.

Dangerous vapors are heavier than air.

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. Immediately evacuate people from the area. Isolate and restrict access to area until completion of cleanup. Keep bystanders upwind and away from danger point. 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. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). If the product has entered a water course or sewer or contaminated soil or vegetation, advise the local emergency services and environmental authorities. Notify the competent local authorities of any large scale spill. Prevent contamination of soil and surface water. Prevent entry into basements or confined areas.

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 and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method. 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. Turn leaking containers leak-side up to prevent the escape of liquid.

Reference to other sections

No available data for this section.

Section 7. Handling and Storage

Precautions for safe handling

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 container tightly closed. No smoking or open flame in storage, use, or handling areas. Protect against physical damage. Report immediately if physical damage, leakage, or spillage occurs. 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. 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". Take action to prevent static discharges. Tanks must be diked. 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. Solvent resistant floor. Store in a cool and dry area.

Suitable Packaging

Always keep in containers made of the same materials as the supply container. Store in original container / packaging.

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/m³.
North America	No exposure levels set.

Propan-2-ol

WEL-STEL	500 ppm. 1250 mg/m³.
WEL TWA	400 ppm. 999 mg/m³.
OSHA PEL	TWA 400 ppm. TWA 980 mg/m³.
NIOSH REL	TWA 400 ppm. 980 mg/m³. ST 500 ppm. 1225 mg/m³.
ACGIH TLV	TWA 200 ppm. STEL 400 ppm.

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation. Take action to prevent static discharges.

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 chemical goggles or face shield.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

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. Keep away from food or drink. 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	82°C / 179.6°F
Flash Point	-14°C / 6.8°F
Evaporation rate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	85 hPa
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	Lesser than 0.07 K-cm^2s^-1
Freezing point	Not available
Density	0.71 g/cm^3
Explosion limit (upper)	6.5 %vol
Explosion limit (lower)	1 %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

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 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

Propan-2-ol

LC50 Inhalation	16000 ppmV. (8h) Rat.
LD50 Dermal	12800 mg/kg. Rabbit.
LD50 Oral	5045 mg/kg. Rat.

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

Propan-2-ol

EC50	5102 mg/l. (24h) Crustaceans: Daphnia magna. Greater than 2000 mg/l (72h). Desmodesmus subspicatus.
LC50 Environmental	9640 mg/l (96h). Fish: Pimephales promelas.

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

EC50	3 mg/l (48h). Daphnia magna. 11.4
LC50 Environmental	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

Propan-2-ol

LogPow: 0.05.

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

Avoid release to soil. Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Users need to pay attention to the possible existence of regional or national regulations regarding disposal. The generation of waste should be avoided or minimized wherever possible.

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	UN 1993 Flammable liquid, N.O.S, (hydrocarbons, C6-C7)	UN 1993 Flammable liquid, N.O.S, (hydrocarbons, C6-C7)	UN 1993 Flammable liquid, N.O.S, (hydrocarbons, C6-C7)	UN 1993 Flammable liquid, N.O.S, (hydrocarbons, C6-C7)
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.

	ADR	IMDG	IATA	DOT
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.

Safety, Health and Environmental Regulations for Component

Propan-2-ol

SARA 311/312: Fire hazard.
Acute health hazard.
Chronic health hazard.

California prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Right to know: Massachusetts.
Pennsylvania.
New Jersey.

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

Korea (KECI/KNCL): Listed.
Japan ENCS: Listed.
China IESC: Listed.
Canada DSL: Listed.
TSCA: Listed.
European EINECs: 265-151-9.
Australia AICS: Listed.
Philippines PICCS: Listed.

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.