

SAFETY DATA SHEET

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

Product Name: GU-PLAST PVC Adhesive

Product Code: 9-38968-00-0-7 (Unit)
9-C9018-30-0-7 (Box of 30)

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

Recommended Use(s): Adhesive

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 (Respiratory)
Carcinogenicity - Category 2
Serious eye irritation - Category 2
Flammable Liquids - Category 2

Label elements**Pictograms:****Signal Words:**

Danger

Hazard Statements:

Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause respiratory irritation.
Suspected of causing cancer.

Precautionary Statements:**Prevention**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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, protective clothing, face protection.

Response

Call a POISON CENTER, doctor if you feel unwell.
 If exposed or concerned: Get medical attention / advice.
 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 regulation .

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
109-99-9	Tetrahydrofuran	50% to 70%	STOT SE 3, Acute Tox. Orl. 4, Flam. Gas 2, Carc. 2, Eye Irr. 2A
67-64-1	Acetone	1% to 10%	STOT SE 3 (Narcotic), STOT RE 2, 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 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

If after ingestion you feel unwell, seek medical advice. 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. Immediately seek medical attention.

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

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

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 eyes. Gas, vapors, or dust can be harmful. Gas, vapors, or dust may cause respiratory irritation.

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

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

Other Information for Fire Fighters

No available data for this section.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

No available data for this section.

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

Absorb with earth, sand, or other non-combustible material.

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. Do not eat, drink or smoke during handling. 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. Wash any exposed area of body thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Solvent resistant floor: Solvent resistant floor.

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. Store in accordance with all current regulations and standards. Ventilate area with explosion-proof equipment ONLY. Store in a cool and dry area.

Suitable Packaging

Store in original container / packaging.

Incompatible Materials

No available data for this section.

Specific end use(s)

Adhesive.

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Product

No available data for this section.

Control Parameters / Limits for Component

Tetrahydrofuran	
PNEC Soil	2.13 mg/kg.
PNEC Onsite sewage treatment plant	4.6 mg/l.
PNEC Marine water	0.432 mg/l.
PNEC Marine sediment	2.33 mg/kg.
PNEC Fresh water sediment	23.3 mg/kg.
PNEC Fresh water	4.32 mg/l.

DNEL Workers, Skin contact, Long-term systemic effects 25mg/kg BW/d.

DNEL Workers, Inhalation, Long-term systemic effects 150 mg/m³.

DNEL Workers, Inhalation, Long-term local effects 150 mg/m³.

DNEL Consumers, Skin contact, Long-term systemic effects 15mg/kg BW/d.

DNEL Consumers, Inhalation, Long-term systemic effects 62 mg/m³.

DNEL Consumers, Inhalation, Acute local effects 150 mg/m³.

DNEL Consumers, Inhalation, Acute systemic effects 150 mg/m³.

OSHA PEL TWA 200 ppm.
TWA 590 mg/m³.

NIOSH REL TWA 200 ppm.
TWA 590 mg/m³.
ST 250 ppm.
ST 735 mg/m³.

ACGIH TLV TWA 50 ppm.
STEL 100 ppm.
BEI 200mg/l, Urine.

Acetone

OSHA PEL TWA 1000 ppm(8h).
TWA 1800 mg/m³(8h).
STEL 1000 ppm(15min).
STEL 2400 mg/m³(15min).

NIOSH REL TWA 250 ppm(10h).
TWA 590 mg/m³ (10h).

ACGIH TLV TWA 500 ppm(8h).
TWA 1188 mg/m³ (8h).
STEL 750 ppm (15min).
STEL 1782 mg/m³(15min).

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 safety goggles.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Wear impermeable gloves.

Hygiene Measures

No available data for this section.

Environmental exposure controls

No available data for this section.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Paste (liquid)
Appearance	Various
Odor	Characteristic
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash Point	-14°C / 6.8°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	3500 to 4500 D-mPa*s
Freezing point	Not available
Density	0.99 g/cm ³ at 20°C
Explosion limit (upper)	12 %vol
Explosion limit (lower)	1.5 %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

Can form explosive peroxides.

Chemical Stability

This product is stable under ambient condition.

Possibility of Hazardous Reactions

Peroxide creation in the presence of oxygen and UV light.

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

Acetone

LC50 Inhalation	30000 ppmV. Rat.
LD50 Dermal	Greater than 16000 mg/kg.
LD50 Oral	5800 mg/kg. Rat.

Irritation/Corrosion Information for Product

No available data for this section.

Irritation/Corrosion Information for Component

Acetone

Eyes: 186300 ppm Mild irritant, Human.

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Product

No available data for this section.

Ecotoxicity Values for Component

Acetone

LC50 Environmental	7400 mg/l (96h). Oncorhynchus mykiss. 15800 mg/l. (48h) Daphnia magna.
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Persistence and degradability

Biodegradable.

Bioaccumulative potential

Bioaccumulative Potential for Product

No available data for this section.

Bioaccumulative Potential for Component

Acetone

LogPow: 0.24.

BCF: 0.65.

Mobility in soil

No available data for this section.

Results of PBT and vPvB assessment

Not a PBT or vPvB substance.

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.

Hardened product: Suitable refuse site.

Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. 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.

Waste Treatment Methods

No available data for this section.

Section 14. Transportation Information

	ADR	IMDG	IATA	DOT
UN number	1133	1133	1133	No available data for this section.
UN proper shipping name	Adhesives	Adhesives	Adhesives	Adhesives
Transport hazard class(es)	3	3	3	No available data for this section.
Packing group	III	III	III	No available data for this section.
Environmental hazards	No available data for this section.	F-ES-D	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	5 LF1
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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

Tetrahydrofuran

SARA 311/312:

Fire hazard.
Acute health hazard.
Chronic health hazard.
Health hazard.

Right to know:

Massachusetts.
Pennsylvania.
New Jersey.

Acetone

SARA 311/312:

Fire hazard.
Immediate (acute) health hazard.
Chronic health hazard.

CERCLA reportable quantity:

2270 kg.

Right to know:

California.
Massachusetts.
Minnesota.
New Jersey.
Pennsylvania.
Rhode Island.

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:

