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GluDown® Adhesive Cleaner 517

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: GluDown® Adhesive Cleaner 517

Revision Date: August 26, 2020

Version: 1.1

Part Numbers: GD8151, GD8155

Company Information:

GluDown, Inc.
2650 Nova Drive, Suite 101
Dallas, TX 75229
United States of America

Information Phone: 214-504-2503

Emergency Phone: Chemtrec 800-424-9300 / INTERNATIONAL 1-703-527-3887

Product/Recommended Uses: Solvent

Restriction on Use: For commercial use only – not packaged or labeled for home use.

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Flammable Liquids: Category 2

Eye Irritation: Category 2A

Specific target organ toxicity – single exposure: Category 3 (Central nervous system)

GHS label elements

Hazard Pictograms:



Signal Word:

Danger

Hazardous Statements - Physical:

H225 - Highly flammable liquid and vapor.

Hazardous Statements - Health:

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

Precautionary Statements - Prevention:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ ventilating/ lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge. P261 -

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 - Wash skin thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves / eye protection / face protection.

Precautionary Statements - Response:

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P370 + P378 – In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Precautionary Statements - Storage:

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

Precautionary Statements - Disposal:

P501 - Dispose of contents/ container to an approved waste disposal plant.

Other Hazards:

None known.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENT

Substance / Mixture: Mixture

Hazardous components

CAS-No.	Chemical Name	Weight percent
79-20-9	Methyl acetate	70 - 90
108-10-1	Methyl isobutyl ketone	10 - 20

*Actual concentration is withheld as a trade secret.

Any concentration shown as a range is due to batch variation.

SECTION 4: FIRST AID MEASURES

General Advice:

- Move out of dangerous area.
- Show this safety data sheet to the doctor in attendance.
- Do not leave the victim unattended.

Inhalation:

- Consult a physician after significant exposure.
- If unconscious, place in recovery position and seek medical advice.

Skin Contact:

- If on skin, rinse well with water.
- If on clothes, remove clothes.

Eye Contact:

- Immediately flush eye(s) with plenty of water.
- Remove contact lenses.
- Protect unharmed eye.
- Keep eye wide open while rinsing.
- If eye irritation persists, consult a specialist.

Ingestion:

- Keep respiratory tract clear.
- Do not give milk or alcoholic beverages.
- Never give anything by mouth to an unconscious person.
- If symptoms persist, call a physician.
- DO NOT induce vomiting unless directed to do so by a physician or poison control center.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media:

- Alcohol-resistant foam
- Carbon Dioxide (CO₂)
- Dry chemical

Unsuitable Extinguishing Media:

High volume water jet

Specific hazards during firefighting:

Do not allow run-off from firefighting to enter drains or water courses.

Hazardous combustion products:

Carbon oxides

Further information:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

Ensure adequate ventilation.

Remove all sources of ignition.

Evacuate personnel to safe areas.

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions:

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see section 13).

SECTION 7: HANDLING AND STORAGE

Advice on protection against fire and explosion:

Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces, and sources of ignition.

Advice on safe handling:

Avoid formation of aerosol.
 Do not breathe vapors/dust.
 Avoid exposure – obtain special instructions before use.
 Avoid contact with skin and eyes.
 For personal protection see section 8.
 Smoking, eating and drinking should be prohibited in the application area.
 Take precautionary measures against static discharges.
 Provide sufficient air exchange and/or exhaust in work rooms.
 Open container carefully as content may be under pressure.
 Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage:

No smoking.
 Keep container tightly closed in a dry and well-ventilated place.
 Containers which are open must be carefully resealed and kept upright to prevent leakage.
 Observe label precautions.
 Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
79-20-9	Methyl acetate	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 610mg/m ³	NIOSH REL
		ST	250 ppm 760 mg/m ³	NIOSH REL
		TWA	200 ppm 610 mg/m ³	OSHA Z-1
		TWA	200 ppm 610 mg/m ³	OSHA P0

		STEL	250 ppm 760 mg/m ³	OSHA P0
108-10-1	Methyl isobutyl ketone	TWA	20 ppm	ACGIH
		STEL	75 ppm	ACGIH
		TWA	50 ppm 205 mg/m ³	NIOSH REL
		ST	75 ppm 300 mg/m ³	NIOSH REL
		TWA	100 ppm 410 mg/m ³	OSHA Z-1
		TWA	50 ppm 205 mg/m ³	OSHA P0
		STEL	75 ppm 300 mg/m ³	OSHA P0
		PEL	50 ppm 205 mg/m ³	CAL PEL
		STEL	75 ppm 300 mg/m ³	CAL PEL

Personal protective equipment

Respiratory protection:

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. In the case of vapor formation use a respirator with an approved filter.

Hand protection remarks:

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye Protection:

Eye wash bottle with pure water.

Tightly fitting safety goggles.

Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection:

Impervious clothing.

Choose body protecting according to the amount and concentration of the dangerous substance at the workplace

Hygiene measures:

When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Clear, Colorless
Odor:	characteristic
Odor Threshold:	No data available
pH:	No data available
Freezing Point:	No data available
Boiling Point:	No data available
Flash point:	-15.6 - -10°C (3.9 – 14°F)
	Method: set a closed cup (for a component of this mixture)
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available
Relative density:	0.905 @ 20.5°C (68°F); Reference substance: (water = 1)
Density:	0.905 g/cm ³ @ 20°C (68°F) 7.5487 lb/gal @ 20°C (68°F)
Water solubility:	No data available
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available

SECTION 10: STABILITY AND REACTIVITY**Reactivity:**

No dangerous reaction known under conditions of normal use.

Chemical stability:

Stable under normal conditions.

Possibility of hazardous reactions:

No decomposition if stored and applied as directed.

Vapors may form explosive mixture with air.

Conditions to Avoid:

Heat, flames and sparks.

Incompatible Materials:

Acids, aldehydes, bases, halogens, hydrogen peroxide, metals and oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION**Acute Toxicity****Product:**

Acute inhalation toxicity: Acute toxicity estimate: 61.05 mg/l
 Exposure time: 4 h
 Test atmosphere: vapor

Components:**108-10-1:**

Acute inhalation toxicity: LC50 (Rat): 11.6 mg/l
 Exposure time: 4 h
 Test atmosphere: vapor
 Assessment: The component/mixture is moderately toxic after short term inhalation.

Skin corrosion/irritation**Product:**

Remarks: May cause skin irritation in susceptible persons

Serious eye damage/eye irritation**Product:**

Remarks: May cause irreversible eye damage.

Components:**79-20-9:**

Species: Rabbit
 Result: Irritating to eyes.
 Exposure time: 24 h

108-10-1:

Species: Rabbit
 Result: Irritating to eyes.

Carcinogenicity:

IARC	Group 2B: Possibly carcinogenic to humans 108-10-1 Methyl Isobutyl Ketone
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure

Components:

79-20-9:

Target Organs: Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

108-10-1:

Target Organs: Respiratory system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

No Data Available

Persistence and Degradability:

No data available.

Bio-accumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:**Product:**

Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I – Substances.

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues: Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging:

Empty remaining contents.

Dispose of as unused product.

Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty container.

SECTION 14: TRANSPORT INFORMATION

DOT (Department of Transportation):

UN1993, Flammable liquids, n.o.s., (METHYL ACETATE, METHYL ISOBUTYL KETONE), 3, II

IATA (International Air Transport Association):

UN1993, FLAMMABLE LIQUID, N.O.S., (METHYL ACETATE, METHYL ISOBUTYL KETONE), 3, II

IMDG (International Maritime Dangerous Goods):

UN1993, FLAMMABLE LIQUID, N.O.S., (METHYL ACETATE, METHYL ISOBUTYL KETONE), 3, II, Flash Point: -15.6 – -10°C (3.9 - 14 °F)

SECTION 15: REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Methyl isobutyl ketone	108-10-1	5000	26315

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Flammable (gases, aerosols, liquids, or solids)
 Serious eye damage or eye irritation.
 Specific target organ toxicity (single or repeated exposure)

SARA 302: This material does not contain any components with a section 302 EHS TPQ.

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

108-10-1 Methyl isobutyl ketone

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

108-10-1 Methyl isobutyl ketone

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

79-20-9 Methyl acetate
 108-10-1 Methyl isobutyl ketone

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

Massachusetts Right To Know

79-20-9 Methyl acetate
 108-10-1 Methyl isobutyl ketone

Pennsylvania Right To Know

79-20-9 Methyl acetate

108-10-1

Methyl isobutyl ketone

California Prop 65

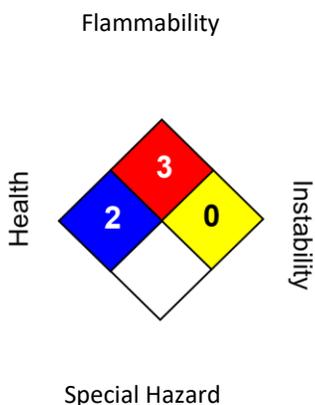
⚠️ WARNING: This product can expose you to chemicals including Methyl isobutyl ketone, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

The components of this product are reported in the following inventories:

- TSCA: On TSCA Inventory
- DSL: All components of this product are on the Canadian DSL
- AICS: On the inventory, or in compliance with the inventory
- NZIoC: Not in compliance with the inventory
- ENCS: On the inventory, or in compliance with the inventory
- KECI: On the inventory, or in compliance with the inventory
- PICCS: On the inventory, or in compliance with the inventory
- IECSC: On the inventory, or in compliance with the inventory

SECTION 16: OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical	LOAEL	Lowest Observed Adverse Effect Level
DSL Canada	Domestic Substances List	NFPA	National Fire Protection Agency
NDSL Canada	Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect

EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

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