

### 1. Identification

<b>Product identifier:</b>	GRRRIZZLY PAINT STRIPPER
<b>Product code:</b>	GRZLY-05
<b>Supplier Name:</b>	Twin Chemicals inc. 6175 Hickory Flat Highway Suite 110-344 Canton, Georgia 30115
<b>Telephone:</b>	770 924-5333
<b>Available hours:</b>	8:30am - 4:30pm Monday-Friday
<b>Emergency 24 hours phone number:</b>	CHEMTREC : (800) 424-9300
<b>Recommended use:</b>	Paint, varnish and glue remover.
<b>Restriction on use:</b>	Validate according to the type of surface.

### 2. Hazard identification

**Signal word:** DANGER

**Product classification:**



Flammable liquids - Category 2.

Serious eye irritation - Category 2A. Specific target organ toxicity – single exposure - Category 3 Narcotic effects.

**Hazard statement(s):**  
H225 - Highly flammable liquid and vapour.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.

#### Precautionary statement(s)

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. For large container, ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lightning equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves, protective clothing, eye and face protection. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.

**Response:** In case of fire: Use an appropriate extinguisher. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

**Storage:** Store in a well ventilated place. Keep cool. Store locked up.

**Disposal:** Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

**Other hazards:** Moderately toxic by intravenous, intraperitoneal route and subcutaneous routes.



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See toxicological information, section 11

## 3. Composition/ Information on ingredients

No	CAS No	Common name and synonyms	Concentration % (w/w)
1	79-20-9	Methyl acetate	45.00 - 70.00
2	646-06-0	1,3-Dioxolane	15.00 - 40.00

The actual concentration range is withheld as a trade secret.

## 4. First-aid measures

**If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.**

**Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.

**Skin contact:** Remove contaminated clothing immediately. Wash the skin with soap and water. Thoroughly wet contaminated clothing. If irritation persists, consult a doctor.

**Inhalation:** Move exposed person to fresh air. Keep this person warm and lying down. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

**Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Symptoms:** Cough, breathing pain, eye redness and rarely skin edema. We can observe headaches, nausea, vomiting and dizziness.

**Effects (acute or delayed):** May cause irritation of eyes and respiratory tract. Can cause depression of the central nervous system. Inhalation of high concentrations vapors can cause narcotic effect. Possible anaphylactic shock.

**Immediate medical attention and special treatment:** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media:** Jets of water can facilitate the spread of fire.

**Specific hazards arising from the hazardous product:** Flammable. Vapors may form explosive mixtures with air. The vapors are heavier than air and may travel to an ignition source.

**Hazardous combustion products:** Carbon monoxide and dioxide. Sulfur oxides.

**Special protective equipment and precautions for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



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## 6. Accidental release measures

**Personal precautions:** No action shall be taken involving any personal risk or if you do not have suitable training or protection. Evacuate surrounding areas. Do not touch or walk through spilled material. Shut off all heating and ignition sources. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

**Protective equipment and emergency procedures:** Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Use inert absorbent or retention tubes in the event of a large spill.

**Methods and materials for containment and cleaning up:** Stop leak if without risk. Move containers from spill area. Contain leaks and pick up with non-combustible absorbent materials such as sand, earth or vermiculite. Then, place in an appropriate waste disposal container according to local regulations. Dispose of via a licensed waste disposal contractor.

## 7. Handling and storage

**Precautions for safe handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Conditions for safe storage:** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Incompatibility:** Strong oxidizing agents. Oxidizers.

## 8. Exposure Controls/ Personal protection



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### Alberta

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	79-20-9	Methyl acetate	200	606	250	757	N/A	N/A
2	646-06-0	1,3-Dioxolane	20	61	N/A	N/A	N/A	N/A

### British-Columbia

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	79-20-9	Methyl acetate	200	N/A	250	N/A	N/A	N/A
2	646-06-0	1,3-Dioxolane	20	N/A	N/A	N/A	N/A	N/A

### Ontario

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	79-20-9	Methyl acetate	N/A	N/A	N/A	N/A	N/A	N/A
2	646-06-0	1,3-Dioxolane	N/A	N/A	N/A	N/A	N/A	N/A

### Quebec

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	79-20-9	Methyl acetate	200	606	250	757	N/A	N/A
2	646-06-0	1,3-Dioxolane	N/A	N/A	N/A	N/A	N/A	N/A



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### Saskatchewan

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
1	79-20-9	Methyl acetate	200	N/A	250	N/A	N/A	N/A
2	646-06-0	1,3-Dioxolane	20	N/A	30	N/A	N/A	N/A

### United States

No	CAS No	Common name and synonyms	IDLH NIOSH	Regulatory Limits			Recommended Limits	
				OSHA PEL		California / OSHA PEL	NIOSH REL	ACGIH ® 2019 TLV ®
				ppm	mg/m <sup>3</sup>	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
1	79-20-9	Methyl acetate	3100	200	610	200 ppm (ST) 250 ppm	200 ppm (ST) 250 ppm	200 ppm (ST) 250 ppm
2	646-06-0	1,3-Dioxolane	N/A	N/A	N/A	N/A	N/A	N/A

IDLH: Immediately Dangerous to Life or Health Concentrations

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limits

California / OSHA: California Division of Occupational Safety and Health

REL: Recommended Exposure Limits

ACGIH ®: American Conference of Governmental Industrial Hygienists

TLV ®: Threshold Limit Values

**Appropriate engineering controls:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Individual protection measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eyes:** DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

**Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

**Respiratory:** If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Others:** Wear protective clothing with long sleeves and appropriate safety shoes at all times.



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## 9. Physical and chemical properties

**Physical state:** Liquid

**Colour:** White

**Odour:** Vinegar

**Odour threshold:** Not available

**pH:** Not applicable

**Melting/Freezing point:** < -58 °C (-72.4 °F)

**Initial boiling point/boiling range:** > 75 °C (167 °F)

**Flash point:** -5 °C (23 °F) Closed cup

**Flammability, in the case of solids and gases:** Not applicable

**Lower flammable/explosive limit:** 2,6 at 25 °C

**Upper flammable/explosive limit:** 16,0 % at 25 °C

**Auto-ignition temperature:** > 300 °C (572 °F)

**Evaporation rate:** > 1,5 (ether = 1)

**Vapour pressure:** > 100 mm Hg at 20 °C

**Vapour density:** > 1 (air = 1)

**Relative density:** 0,995 kg/L at 20 °C (water = 1)

**Solubility in water:** Insoluble

**Partition coefficient – n-octanol/water:** > 0,661

**Decomposition temperature:** Not available

**Kinematic viscosity:** > 20,5 mm<sup>2</sup>/s (at 40 °C)

## 10. Stability and reactivity

**Reactivity:** Stable under recommended conditions of storage and handling.

**Chemical stability:** The product is chemically stable under normal conditions of use.

**Possibility of hazardous reactions:** No dangerous or polymerization reactions will occur under normal conditions of use. Danger of explosion when heated.

**Conditions to avoid:** Avoid electrical discharge. Keep away from sources of ignition, open flames and sparks, Keep away from incompatible products.

**Incompatible materials:** This product can attack certain types of plastic, rubber or coatings.

**Hazardous decomposition products:** Carbon monoxide and dioxide. Sulfur oxides.

### 11. Toxicological information

	Oral	Dermal	Inhalation gases	Inhalation vapours	Inhalation dusts/mists
ATE <sub>mix</sub>	4936.55 mg/kg	3835.83 mg/kg	N/A	> 20 mg/l	> 5 mg/l

No	CAS No	Common name and synonyms	LD <sub>50</sub> oral mg/kg	LD <sub>50</sub> skin mg/kg	LC <sub>50</sub> inhalation ppmV 4h - gases	LC <sub>50</sub> inhalation mg/l 4h - vapours	LC <sub>50</sub> inhalation mg/l 4h - dusts-mist
1	79-20-9	Methyl acetate	6482	> 2000	N/A	> 49.2	> 12.0
2	646-06-0	1,3-Dioxolane	3000	8480	N/A	68.4	> 15.00

**Routes of exposure:** This product is absorbed through the respiratory tract, skin and gastrointestinal tract.

**Symptoms:** Cough, breathing pain, eye redness and rarely skin edema. We can observe headaches, nausea, vomiting and dizziness.

**Delayed and immediate effects:** May cause irritation of eyes and respiratory tract. Can cause depression of the central nervous system. Inhalation of high concentrations vapors can cause narcotic effect. Possible anaphylactic shock.

**Skin and eyes Irritation / Corrosion:** This product is not a skin irritant or corrosive.

**Respiratory and skin sensitization:** This product is not a respiratory or skin sensitizer.



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No	CAS No	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	79-20-9	Methyl acetate	4	A5	The data do not allow for an adequate assessment of mutagenic effects.	Not available.
2	646-06-0	1,3-Dioxolane	N/A	N/A	The data do not allow for an adequate assessment of mutagenic effects.	Not available.

#### Cancer classification under IARC (International Agency for Research on Cancer)

- Group 1: carcinogenic to humans.
- Group 2A: probably carcinogenic to humans.
- Group 2B: possibly carcinogenic to humans.
- Group 3: not classifiable as to its carcinogenicity to humans.
- Group 4: probably not carcinogenic to humans.

#### Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

- Group A1: confirmed human carcinogen.
- Group A2: suspected human carcinogen.
- Group A3: confirmed animal carcinogen with unknown relevance to humans.
- Group A4: not classifiable as a human carcinogen.
- Group A5: not suspected as a human carcinogen.





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## 12. Ecological information

### Ecotoxicity

No	CAS No	Common name and synonyms	%	Aquatic Ecotoxicity short term	Aquatic Ecotoxicity long term	Terrestrial Ecotoxicity
1	79-20-9	Methyl acetate	45.00 - 70.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
2	646-06-0	1,3-Dioxolane	15.00 - 40.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.

### Persistence and degradability. Bioaccumulative potential. Other adverse effects

No	CAS No	Common name and synonyms	%	Persistent	Bio-accumulation	Aquatic ecotoxicity
1	79-20-9	Methyl acetate	45.00 - 70.00	Yes	No	No
2	646-06-0	1,3-Dioxolane	15.00 - 40.00	No	No	No

**Degradability:** N/A

**Mobility in soil:** N/A

## 13. Disposal considerations

**Methods of disposal:** The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.



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### 14. Transport information

	TDG	DOT	IMDG	IATA
UN Number	1263	1263	1263	1263
Proper shipping name	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
Transport hazard class(es)	3	3	3	3
Packing group	II	II	II	II

**Transport in bulk** (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): N/A

**Marine pollutant:** No

**Exemption for limited quantity:** 5 L

In accordance with the Canadian Transport of Dangerous Goods regulations by Road, we use the 1.17 exemption when applicable. In accordance with 49 CFR article 172.315 for transportation by a mode other than air, we use the Limited quantities exemption when applicable.

**Special precautions:** Not applicable

**Other exemptions:** No other exemption.

### 15. Regulatory information

#### Canada

No	CAS No	Common name and synonyms	%	DSL	NDSL	NPRI
1	79-20-9	Methyl acetate	45.00 - 70.00	X		
2	646-06-0	1,3-Dioxolane	15.00 - 40.00	X		X

#### United States

No	CAS No	Common name and synonyms	%	TSCA	PROP-65	RTK
1	79-20-9	Methyl acetate	45.00 - 70.00	X		X
2	646-06-0	1,3-Dioxolane	15.00 - 40.00	X		X

The customer is responsible for determining the PPE (personal protection equipment) code for this material.

The classification of the product and the SDS were developed in accordance with HPR and HazCom 2012.



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## 16. Other information

**Date:** 2020-09-18

**Version:** 1

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