



# Safety Data Sheet

Issue Date: 14-Jul-2014

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Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Tac Spray Adhesive

**Other means of identification**

**SDS #** GI-014

**UN/ID No** UN1950

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Adhesives.

**Details of the supplier of the safety data sheet**

**Supplier Address**

Grayling Industries, Inc.  
1008 Branch Drive  
Alpharetta, GA 30004

**Emergency Telephone Number**

**Company Phone Number** 1-800-635-1551  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** White liquid

**Physical State** Aerosol

**Odor** Mint when wet

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable Aerosols	Category 1

**Signal Word**

**Danger**

**Hazard Statements**

Causes skin irritation  
Causes serious eye irritation  
Suspected of damaging fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways  
Extremely flammable aerosol

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Do not spray on an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Seek immediate medical attention/advice  
IF ON SKIN: Wash with plenty of soap and water  
Take off contaminated clothing and wash it before reuse  
If skin irritation occurs: Get medical advice/attention  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do not induce vomiting

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed  
Protect from sunlight. Do not expose to temperatures exceeding 48.88°C / 120°F

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Propane	74-98-6	Proprietary
Acetone	67-64-1	Proprietary
Hexane	110-54-3	Proprietary
Dimethyl ether	115-10-6	Proprietary

\* The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.
<b>Inhalation</b>	If symptomatic, move to fresh air. Get medical attention if you feel unwell.
<b>Ingestion</b>	Do not induce vomiting. Call a physician or poison control center immediately.

#### Most important symptoms and effects

<b>Symptoms</b>	May cause skin and eye irritation. Skin contact can lead to drying, defatting, itching, stinging and irritation. Possible aspiration hazard. May cause nausea, vomiting, stomach ache, and diarrhea. May cause irritation to the mucous membranes and upper respiratory tract. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination.
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#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically. Aggravation of Pre-Existing Conditions: Eye, skin, and respiratory disorders.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog).

**Unsuitable Extinguishing Media** Not determined.

#### Specific Hazards Arising from the Chemical

Aerosols may rupture violently at temperatures above 120 F. Product is extremely flammable aerosol.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Container explosion may occur under fire conditions. Use water spray to keep containers cool. Use shielding to protect against bursting cans.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

- Personal Precautions**            Use personal protection recommended in Section 8. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- For Emergency Responders**    Follow applicable OSHA regulations (29 CFR 1910.120).
- Environmental Precautions**    Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

- Methods for Containment**        Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up**            Absorb spillage with non-combustible, absorbent material. Clean up in accordance with all applicable regulations. Dispose of in accordance with federal, state and local regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

- Advice on Safe Handling**        Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors or spray mist. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Do not spray on an open flame or other ignition source. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Pressurized container: Do not pierce or burn, even after use. Remove all sources of ignition. Keep out of the reach of children.

**Conditions for safe storage, including any incompatibilities**

- Storage Conditions**            Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not contaminate food or feed stuffs. Do not expose / store exceeding temperatures 48.88 °C / 120 °F.
- Incompatible Materials**        Strong oxidizing agents, Acids, Reducing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

Hexane 110-54-3	TWA: 50 ppm S*	TWA: 500 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m <sup>3</sup>	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m <sup>3</sup>
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**Appropriate engineering controls**

**Engineering Controls**

Showers  
Eyewash stations  
Ventilation systems. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**

Safety glasses.

**Skin and Body Protection**

Wear impervious gloves as required to prevent skin contact.

**Respiratory Protection**

Wear an appropriate NIOSH/MSHA approved respirator if ventilation is inadequate.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Aerosol	<b>Odor</b>	Mint when wet
<b>Appearance</b>	White liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	-42.22 - 70.55 °C / -44 - 159 °F	
Flash Point	-104.44 °C / -156 °F	
Evaporation Rate	Is faster than Butyl acetate	(Water = 1)
Flammability (Solid, Gas)	Extremely flammable aerosol	
Upper Flammability Limits	18.0%	
Lower Flammability Limit	1.0%	
Vapor Pressure	Not determined	
Vapor Density	Heavier than air	
Specific Gravity	0.7011	(1=Water)
Water Solubility	Negligible	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not established	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.**Conditions to Avoid**

Avoid contact with heat, sparks, electric arcs, other hot surfaces and open flames.

**Incompatible Materials**

Strong oxidizing agents, Acids, Reducing agents.

**Hazardous Decomposition Products**Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

**Eye Contact** Causes serious eye irritation.

**Skin Contact** Causes skin irritation.

**Inhalation** May cause irritation of respiratory tract. May cause drowsiness or dizziness.

**Ingestion** May be fatal if swallowed and enters airways.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg ( Rat )	-	-
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h
Hexane 110-54-3	= 25 g/kg ( Rat )	= 3000 mg/kg ( Rabbit )	= 48000 ppm ( Rat ) 4 h
Dimethyl ether 115-10-6	-	-	= 308.5 mg/L ( Rat ) 4 h

**Information on physical, chemical and toxicological effects****Symptoms** Please see section 4 of this SDS for symptoms.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Reproductive toxicity** Suspected of damaging fertility or the unborn child.

**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetone 67-64-1		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	EC50 = 14500 mg/L 15 min	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
Hexane 110-54-3		2.1 - 2.98: 96 h Pimephales promelas mg/L LC50 flow-through		1000: 24 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Propane 74-98-6	2.3
Acetone 67-64-1	-0.24
Dimethyl ether 115-10-6	-0.18

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone 67-64-1		Included in waste stream: F039		U002

**California Hazardous Waste Status** This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical Name	California Hazardous Waste Status
Acetone 67-64-1	Ignitable
Hexane 110-54-3	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**  
**UN/ID No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1

**IATA**  
**UN/ID No** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1

**IMDG**  
**UN/ID No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1  
**Marine Pollutant** This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**International Inventories**  
 Not determined

- Legend:**  
*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Hexane 110-54-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ



**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Hexane - 110-54-3	110-54-3	Proprietary	1.0

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Acetone 67-64-1	X	X	X
Propane 74-98-6	X	X	X
Hexane 110-54-3	X	X	X
Dimethyl ether 115-10-6	X	X	X

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	4	1	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	4	1	B

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**