

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE AND PREPARATION

Supplier/Manufacturer:

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Emergency Number: +1-651-430-2270

Product Name: GrandSlam[®]
Type Q Subaqueous Pipe Joint
Lubricant - Wintergrade

Chemical Description: Thick wax emulsion of lubricating agents and polymers, containing methanol to depress freeze point.

Product Use: Pipe joint lubrication

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt</u>
Methanol	67-56-1	200-659-6	<10%

This product contains no other reportable hazardous components under 29 CFR 1910.1200. This product contains no other reportable hazardous components under European Directives 91/55/EEC.

3. HAZARDS IDENTIFICATION

Emergency Overview:	Contains methanol. May be absorbed by skin and harmful if inhaled. Keep containers closed. Lubricant is slippery if spilled. Industrial use only.
Eye Contact:	Direct eye contact may cause eye irritation.
Skin Contact:	Methanol may be absorbed through intact skin to produce systemic effect.
Irritation and Sensitization Potential:	This product may irritate skin. It is not a sensitizer.
Inhalation (Breathing):	Prolonged, repeated exposure or breathing high concentrations of methanol vapors may cause headache, nausea, vomiting, dizziness, visual disturbances, unconsciousness, and death. Toxic effects are exerted on the central nervous system, especially the optic nerve.
Ingestion (Swallowing):	Material contains less than 10% (by weight) methanol. Swallowing 100-250 ml of straight methanol can be fatal. Swallowing lesser quantities can cause blindness, dizziness, headaches, or nausea. Toxic effects are exerted on the central nervous system, especially the optic nerve.

4. FIRST AID MEASURES

Eye Contact:	Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.
Skin Contact:	If skin becomes irritated, wash area thoroughly with soap and water. If irritation continues, seek medical attention.
Inhalation (Breathing):	Remove to fresh air. Seek medical attention.
Ingestion (Swallowing):	If swallowed, get immediate medical attention. Induce vomiting unless told not to do so by medical personnel. Do not give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash Point:	None to boiling (PMCC)
Flammable Limits:	Not Available
Autoignition Temperature:	Not Available
Hazardous Decomposition and By-Products:	High temperature steam; potentially carbon monoxide and carbon dioxide; paraffin wax fumes; formaldehyde.
Extinguishing Media:	Water fog, foam, CO ₂ , dry chemical.
Special Precautions:	Self-contained breathing apparatus recommended when fighting fire.
Unusual Hazards:	Sealed container can build up pressure when exposed to high heat. Cool containers with water.

6. ACCIDENTAL RELEASE MEASURES

Lubricant is extremely slippery. It should be washed, swept, or squeegeed from floor using wet mops. Oxidizing agents, such as household bleach, can be used to eliminate the slippery character. Outside, spills should be covered with sand, dirt, gravel or calcium chloride.

7. HANDLING AND STORAGE

Keep product containers closed when not in use. Avoid spills and clean them up immediately when they occur. Product is very slippery.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection:	Normal ventilation is adequate.
Protective Gloves:	For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent irritation.
Eye Protection:	Safety glasses recommended.

Exposure Limits and Recommendations:

<u>Chemical Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Methanol	200 ppm	20 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque, cream to light-green gel.
Odor Threshold:	Not Available
Vapor Density (Air = 1):	>1
Specific Gravity (H₂O = 1):	0.97
Solubility in Water:	Disperses
Boiling Point:	Not Available
Freezing Point:	Not Available
Vapor Pressure:	Not Available
Viscosity:	>80,000 cps. @ 10rpm.
pH:	6.0 to 7.0
Volatiles (Weight %):	>80%
VOC Content:	97 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	None known.
Materials to Avoid:	Avoid materials that react with water.
Hazardous Decomposition and By-Products:	Carbon dioxide, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Toxicity to Animals:	Methanol	LD ₅₀ (oral rat) 5628 mg/kg LD ₅₀ (dermal rabbit) 15800 mg/kg LC ₅₀ (inhl rat) 6400 ppm, 4hr
Chronic Exposure:	Not Available	
Carcinogenic Status:	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.	
Reproductive Toxicity:	Not Available	
Mutagenicity:	Investigated as a possible mutagen, reproductive effector.	
Teratogenicity:	Not Available	
Toxicologically Synergistic Products:	Not Available	

12. ECOLOGICAL INFORMATION

Biodegradability	Expected to be biodegradable.
Mobility:	No information available.
Bioaccumulation:	No information available.
Ecotoxicity:	No information available.

13. DISPOSAL CONSIDERATIONS

Dispose of product in accordance with National and Local Regulations.

14. TRANSPORTATION INFORMATION

UN Number:	Not Listed
UN Proper Shipping Name:	Not Applicable
Class and Subsidiary Risk:	Not Applicable
Packing Group:	Not Applicable
TDG:	Not Regulated
ICAO/IATA-DGR:	Not Regulated
IMDG:	Not Regulated
ADR/RID:	Not Regulated

15. REGULATORY INFORMATION**USA Federal and State**

All components are listed on the TSCA inventory.

Hazard Categories for SARA Section 311/312 Reporting	<u>Acute</u> No	<u>Chronic</u> No	<u>Fire</u> No	<u>Pressure</u> No	<u>Reactive</u> No
<u>Components</u> Methanol	CERCLA/SARA Sec 302 <u>Hazardous Substance RQ</u> Yes (5,000 lbs)		<u>EHS TPQ</u> No	SARA Sec. 313 <u>Toxic Release</u> Yes (1%)	

European Union

Product is classified as hazardous according to European Directives 88/379/EEC and 67/548/EEC and EU Regulation (EC) No 1272/2008.

Risk Phrases:	R20/21/22: Harmful by inhalation, in contact with skin and if swallowed
Safety Phrases:	S2: Keep out of reach of children
Symbol:	Xn: Harmful

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. It does not contain Substances of Very High Concern (SVHC).

Canada

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Classification NC

Canadian DSL All ingredients listed.

Australia

All components are listed on the AICS.
Considered hazardous according to criteria of NOHSC Australia.

16. OTHER INFORMATION

NFPA Ratings: Health: 1
Fire: 0
Reactivity: 0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

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The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.