



## SAFETY DATA SHEET

Issue Date 18-Feb-2014

Revision Date: 19-Nov-2015

Version 2

### 1. IDENTIFICATION

**GHS Product Identifier**

**Product Name** Tyseal Pipe Joint Lubricant

**Other Means of Identification**

**SDS #**

**Chemical Formula** 11-4 or 11-4R1

**Other Information**

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use** Lubricant

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address**

JTM Products, Inc.  
31025 Carter Street  
Solon, OH 44139  
Tel. 440-287-2302  
800-229-6744  
Fax. 440-287-3095

**Emergency Telephone Number**

**Emergency Telephone** Chemtel 1-800-255-3924

### 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is considered non-hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

**GHS classification**

Hazard categories:  
Skin Irritant 3  
Eye irritation: Eye Irritant 2B

**Label elements**

Signal word: Warning

**Hazard statements**

H316 Causes mild skin irritation.  
 H320 Causes eye irritation.

**Precautionary statements**

P264 Wash skin thoroughly after handling.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Components**

CAS No.	Chemical Name	Quantity
TSRN 0210	Proprietary Lubricity Enhancers	40 -50%
7782-13-5	Water	20-35%
68606-06-4 EINECS 271-723-9	Mixed sodium and potassium salts of tall oil (soap)	15-25%

Where range is displayed, the exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First Aid Measures**

**Inhalation** Move to fresh air. If symptoms persist, call a physician

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. If symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately

**Skin Contact** Wash off immediately with soap and water. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, Both Acute and Delayed****Symptoms**

Direct contact with eyes may cause temporary irritation. Prolonged or repeated skin contact may cause irritation.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water. Water spray (fog). Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical.

**Unsuitable Extinguishing Media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical**

No information available.

**Hazardous Combustion Products**

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

**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. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Use personal protective equipment. Keep people away from and upwind of spill/leak.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information

**Methods and Material for Containment and Cleaning Up****Methods for Containment**

Dike to collect large liquid spills. Prevent leakage or spillage if safe to do so.

**Methods for Cleaning Up**

Dam up. Soak up with inert absorbent material. Place the bulk of any spilled material into properly labeled containers. Rinse any remaining material to sewage treatment facility. Clean up in accordance with all applicable regulations.

**7. HANDLING AND STORAGE****Precautions for Safe Handling****Handling**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not take internally.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

**Incompatible Materials** Strong oxidizing agents. Strong bases

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters**

**Appropriate Engineering Controls**

**Engineering Controls** Eyewash stations Showers Ventilation systems.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** Wear approved safety goggles.

**Skin and Body Protection** Lightweight protective clothing. Chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

**Respiratory Protection** No special protective equipment required. If respirators are used, OSHA requires a written respiratory program that includes at least: medical certification training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**General Hygiene Considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

**Control Parameters** N.A.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Paste	<b>Odor</b>	Bland
<b>Appearance</b>	Off-White Paste	<b>Odor threshold</b>	Not determined
<b>Color</b>	Off-white		

<b>Property</b>	<b>Values</b>	<b>Remarks – Method</b>
pH	≈9	5% solution
Melting point/freezing point	< 0° C/ < 32° F	
Boiling point/boiling range	> 104° C/ > 220° F	
Flash point	> 104° C/ > 220° F	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not determined	

**Flammability Limits in Air**

<b>Upper Flammability Limits</b>	Not applicable
<b>Lower Flammability Limits</b>	Not applicable
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	Not applicable
<b>Specific Gravity</b>	1.2
<b>Water Solubility</b>	Completely soluble
<b>Solubility in other Solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Autoignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	None
<b>Oxidizing Properties</b>	None

**Other Information**

**VOC Content (%)** <5%

## 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

**Conditions to Avoid**

Contact with incompatible material

**Incompatible Materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Route of Exposure****Product Information**

<b>Inhalation</b>	Not a likely route of exposure
<b>Eye Contact</b>	Causes eye irritation
<b>Skin Contact</b>	May cause mild skin irritation
<b>Ingestion</b>	Do not taste or swallow
<b>Symptoms</b>	Direct contact with eyes may cause temporary irritation. Prolonged or repeated contact may dry skin and cause irritation

**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

**Numerical Measures of Toxicity – Product**

The following values are calculated based on chapter 3.1 of the GHS document:

**LD50 Oral** 22665 mg/kg; Acute toxicity estimate mg/kg mg/L

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

**Persistence and Degradability**

No information available.

**Mobility**

Not Determined.

**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. Contact your supplier or a licensed contractor for detailed recommendations.

**Contaminated Packaging**

Do not re-use empty containers. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** All ingredients appear on inventory

**DSL/NDSL** All components of this product are listed or are exempt

**EINECS/ELINCS** - *European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
/ not available (N.A.)

**ENCS** - *Japan Existing and New Chemical Substances/not available (N.A.)*

**IECSC** - *China Inventory of Existing Chemical Substances/not available (N.A.)*

**KECL** - *Korean Existing and Evaluated Chemical Substances/not available (N.A.)*

**PICCS** - *Philippines Inventory of Chemicals and Chemical Substances/not available (N.A.)*

**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***US Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42): None known

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302): None Known

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations:** Not applicable

**U.S. EPA Label Information**

EPA Pesticide Registration Number: Not Applicable

<b>16. OTHER INFORMATION</b>
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<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	0	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	0	0	Not determined
<b>Issuance Date</b>	18-Feb-2014			
<b>Revision Date</b>	19-Nov-2015			
<b>Revision Note</b>	TSRN inclusion			

**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**