

1. Identification of the substance/preparation and of the company/undertaking

Product Name AN-LUBE TL-100

UN/ID No. 436

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Conveyor lubricant

Uses advised against No information available

Manufacturer Address

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

Emergency telephone number

800-424-9300

2. Hazards identification

Classification

OSHA Regulatory Status

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Irritation Category 1

Flammable Liquids Category 3

Label Elements

Signal word: **Danger**

Hazard Statements

Causes skin irritation.

Causes serious eye damage.

Flammable liquid and vapor.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.

Wear eye protection/face protection/protective gloves.

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

Keep container tightly closed.

Ground/bond container and receiving equipment.

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

Use only non-sparking tools.

Take precautionary measures against static discharge.

Precautionary Statements - Response

Specific treatment (see Section 4 on the SDS).

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Immediately call a POISON CENTER or doctor/physician.

In case of fire: Use CO2, dry chemical, or foam for extinction.

Precautionary Statements - Storage

Stored in a well-ventilated place. Keep Cool.

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

Other Information

May be harmful if swallowed.



3. Composition/information on ingredients

Chemical Name	CAS Number	% by Weight
Potassium hydroxide	1310-58-3	<5
TSRN4190	Proprietary	<10

Chemical Name	CAS Number	% by Weight
TSRN3475	Proprietary	<5
TSRN9300	Proprietary	<10
TSRN8990	Proprietary	<5
TSRN8230	Proprietary	<15

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

4. First aid measures

Eye contact

Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

Skin Contact

Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

Inhalation

Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

Ingestion

Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

Self-protection of the first aider

Most important symptoms and effects, both acute and delayed

Symptoms

Causes irritation (possibly severe), burns to the eyes. May cause permanent eye damage. Causes irritation to the skin. May cause gastrointestinal upset. May cause irritation if inhaled.

Indication of any immediate medical attention and special treatment needed

Note to physicians

5. Fire-fighting measures

Suitable extinguishing media

Carbon Dioxide, Dry Chemical, Foam, Water Fog. Avoid using a direct stream of water.

Unsuitable extinguishing media

Avoid using a direct stream of water.

Specific hazards arising from the chemical

Flammable. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

Hazardous combustion products

Toxic gases/fumes are given off during burning or thermal decomposition. Carbon oxides, nitrogen oxides. May react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas which can form explosive mixtures in air.

Explosion Data

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. Use water spray to cool fire exposed containers. Move containers from fire area if you can do it without risk.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Evacuate nonessential personnel. Avoid contact with eyes, skin and clothing. Ventilate area. Wear appropriate personal protection equipment. Remove all ignition sources. Spill area may be slippery.

Environmental precautions

See Section 12 for additional ecological information. Keep out of water supplies and sewer systems.

Methods for containment

Stop leak if safe to do so. Completely contain spilled material with dikes or sand bags, etc. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Remove free liquid. Contain spill and keep from entering waterways or sewers.

Methods for cleaning up

Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized. Flush spill area with water.

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Do not get in eyes, on skin, or clothing. Do not breathe vapors or mists. Do not ingest. Wash thoroughly after handling. Wear protective clothing/equipment. Use with adequate ventilation.

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

Keep containers tightly closed and properly labeled. Keep away from heat/sources of ignition. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored.

Incompatible materials

Acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Strong oxidizing agents.

8. Exposure controls/personal protection**Control parameters****Exposure Guideline**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m ³	(vacated) Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³
TSRN4190	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm	IDLH: 2000 ppm

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear protective splash proof safety goggles. Additional full face protection is recommended if splashing is a possibility. Avoid contact with eyes.

Skin and body protection

Wear protective gloves and protective clothing, as needed.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Wash thoroughly after handling.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state	Liquid
Color	Amber
Odor	Mild
Odor threshold	No information available
pH	9.6-10.2, 1% Solution
Melting point/freezing point	No information available
Boiling point / boiling range	No information available
Flash point	100 - 110°F
Evaporation rate	No information available

Flammability (solid, gas)	No information available
Flammability upper limit in air	No information available
Flammability lower limit in air	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.035
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

10. Stability and reactivity

Reactivity

No information available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Avoid impact, friction, heat, sparks, flame and source of ignition.

Incompatible materials

Acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys. Strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition can lead to release of toxic/corrosive fumes. Oxides of carbon. Trace sulfur oxides, and/or hydrocarbons of varying molecular weights.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	May be harmful if inhaled.
Eye contact	Causes irritation (possibly severe), burns to the eyes. May cause permanent eye damage.
Skin Contact	Causes irritation to the skin.
Ingestion	May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium hydroxide 1310-58-3	284 mg/kg (Rat)		
TSRN4190	5840 mg/kg (rat)	13,900 mg/kg (rabbit)	16,000 ppm (rat)
TSRN9300	Rat, 1,780 < 2,000 mg/kg (Estimated)	Rabbit, > 5,000 mg/kg (Estimated)	
TSRN8990	38,900 mg/kg (rat)		
TSRN8230	>10,000 mg/kg (rat)	>2,000 mg/kg (rabbit)	

Information on toxicological effects

Symptoms Causes irritation (possibly severe), burns to the eyes. May cause permanent eye damage. Causes irritation to the skin. May cause gastrointestinal upset. May cause irritation if inhaled.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	Not applicable

Chemical Name	ACGIH	IARC	NTP	OSHA
TSRN4190		Group 3 - Not classifiable as to its carcinogenicity to humans		

Reproductive toxicity No information available

STOT - single exposure No information available
 STOT - repeated exposure No information available
 Aspiration hazard No information available

Numerical measures of toxicity - Product Information

12. Ecological information

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Potassium hydroxide 1310-58-3		LC50 (Gambusia affinis): 80 mg/L 96h static	EC50 (Daphnia magna): 60 mg/L/48 hr (static bioassay at 20.3-20.7 C)
TSRN9300	EC50, Pseudokirchneriella subcapitata (green algae), static test, 72 Hour, Growth rate inhibition, > 100 mg/l, OECD Test Guideline 201 or Equivalent	Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 > 100 mg/L in the most sensitive species tested). LC50, Lepomis macrochirus (Bluegill sunfish), static test, 96 Hour, 1,592 mg/l, Other guidelines	EC50, Daphnia magna (Water flea), 24 Hour, 61 O - 1,033 mg/l, OECD Test Guideline 202 or Equivalent
TSRN8990		LC50 (Oncorhynchus mykiss (rainbow trout): 90 mg/l; 96 hr	
TSRN8230	72 hr for EL50 AUC=854.90 mg/l loading rate WAF, NOEL 500 mg/l loading rate WAF	96 hr for LL50 >1000 mg/l loading rate WAF; NOEL 1000 mg/l loading rate WAF	48 hr for LL50 >1000 mg/l loading rate WAF; NOEL 1000 mg/l loading rate WAF

Persistence and degradability No information available

Bioaccumulation No information available

Chemical Name	Partition coefficient
Potassium hydroxide 1310-58-3	0.83
TSRN8230	(LogKow) 4.9-7.6 (OECD117)

Other adverse effects No information available

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 Do not reuse container.

Chemical Name	California Hazardous Waste Status

14. Transport information

DOT Not DoT regulated
 UN/ID No. Not applicable
 Proper shipping name Not applicable
 Hazardous ingredients Not applicable
 Hazard class Not applicable
 Packing group Not applicable

15. Regulatory information

US Federal Regulations

SARA 311/312 Hazards

Skin Corrosion/Irritation
 Serious Eye Damage/Irritation
 Flammable Liquids

CWA (Clean Water Act)

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
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CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Potassium hydroxide 1310-58-3	1000 lb	1000 lb	

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA	Health hazards	3	Flammability	2	Instability	0	Physical and Chemical Properties	
HMIS	Health hazards	3	Flammability	2	Physical hazards	0	Personal protection	X
Prepared By	lmt							
Issue Date	2021-03-31							
Revision Date	2021-06-22							
Revision Note	New product.							

Disclaimer

The information provided in this Material 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