

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	T ³
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	1658
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Hi-tech Penetrant & Lubricant
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	1658.05
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2018-10-02
		REPLACES VERSION DATED:	2017-05-17 <i>and all prior versions</i>

SECTION 2: HAZARDS IDENTIFICATION

Classification: Flammable Aerosol: Category 2 Liquefied Gas

Label elements



Signal word	Warning
Hazard statement:	Flammable Aerosol. Contains gas under pressure; May explode if heated.
Precautionary statement	This product contains the following percentage of chemicals of unknown toxicity: 0% Keep away from heat, sparks, open flames, and 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. Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C). Store in a well-ventilated place.
Hazard(s) not otherwise classified (HNOC)	N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
1,1-Difluoroethane	75-37-6	60-100

SECTION 4: FIRST AID MEASURES

Inhalation	Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
Skin contact	If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention.
Eye contact	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 or attention.
Ingestion	Do not induce vomiting unless directed by medical authority. Seek immediate medical attention.
Acute health hazards	Eyes: redness, tearing, blurred vision. Skin: defatting and dermatitis. Oral: abdominal irritation, nausea, vomiting, and diarrhea.
Chronic health hazards	None known
Note to physician	There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media	Dry chemical, foam, or Carbon Dioxide (CO ₂).
Unsuitable extinguishing media	Water spray/stream.
Special firefighting procedures	Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

Unusual fire and explosion hazards	Contents under pressure. Exposure to temperatures above 120°F (49°) may cause bursting. Flammable.
Hazardous combustion products	Oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal protective equipment	Refer to section VIII for proper Personal Protective Equipment.
Spill	Clean up with rag or use some non-combustible material like vermiculite, sand or earth.
Waste disposal	Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.
RCRA Status	Waste likely considered hazardous waste U161 (Methyl Isobutyl Ketone), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 7: HANDLING AND STORAGE

Handling and storage	Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Store locked up.
Other precautions	Flammable vapors may collect in low lying areas.
Incompatibility	Strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Hazardous Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
1,1-Difluoroethane	Not Established	Not Established
Engineering controls/ventilation	Material is heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred.	
Respiratory protection	Wear NIOSH/MSHA approved organic vapor respiratory protection if listed exposure limits (see above in Section 8) are exceeded.	
Personal protective equipment	Safety glasses.	
Additional Measures	Wash hands thoroughly with soap and water after use. Use good industrial hygiene practices.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colorless aerosol.	
Odor	Solvent odor.	
Odor threshold	.68ppm	
Boiling point	<-20°F (-29°C)	
Freezing Point	N/D	
Flammability	Extremely Flammable Aerosol	
Flash point	>60°F (16°C)	
Auto-ignition temperature	N/D	
Upper/lower flammability limits	Lower: N/D	Upper: N/D
Vapor Pressure (mmHg)	N/D	
Vapor density (Air = 1)	>2	
Evaporation Rate	>1.6	
Specific Gravity (H2O=1)	0.92 @ 77°F (25°C)	
pH	N/A	
Solids (%)	N/D	
Solubility in Water	<1%	
Partition Coefficient:n-Octanol/water (K _{ow})	N/D	
VOC	4.5%	

Decomposition Temperature	N/D
Viscosity	N/D

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Strong oxidizers.
Chemical stability	Stable.
Conditions to avoid	Temperatures greater than 122°F (50°C) may cause bursting.
Incompatibility	Strong oxidizers.
Hazardous decomposition products	Oxides of carbon.
Possible hazardous reactions	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information	Not established.
Routes of Entry	Eyes, Ingestion, Inhalation, Skin.
Ingestion	Causes gastrointestinal irritation, nausea, vomiting, abdominal cramps.
Inhalation	Causes dizziness, anaesthetic effects, central nervous system depression, and narcosis.
Skin contact	Brief contact is not irritating. May cause irritation, localized defatting, redness, itching with prolonged or repeated contact. Can be absorbed through the skin with prolonged and widespread contact.
Eye contact	Causes irritation, redness, tearing.
Medical condition aggravated	None known.
Acute health hazards	Eyes: redness, tearing, blurred vision. Skin: defatting and dermatitis. Oral: abdominal irritation, nausea, vomiting, and diarrhea.
Chronic health hazards	None known.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Other: CA Prop 65.

SECTION 12: ECOLOGICAL INFORMATION

Ecological information	Not established.
Biodegradability	Component or components of this product are not biodegradable.
Bioaccumulation	This product is not expected to bioaccumulate.
Mobility in soil	This product is mobile in soil.
Other ecological hazards	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal	Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.
RCRA Status	Waste likely considered hazardous waste U161 (Methyl Isobutyl Ketone), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

DOT	
UN number	Aerosols, Ltd. Qty
UN proper shipping name	1950
Transport hazard class(es)	2.1
Packing group	N/A

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

SECTION 15: REGULATORY INFORMATION

TSCA Status: All chemicals are listed or exempt.

CERCLA (Comprehensive response compensation, and liability act): Methyl Isobutyl Ketone (108-10-1) Reportable Quantity = 5,000 lbs.

SARA 311/312 Hazardous categories: Acute Health, Chronic Health, Fire Hazard

SARA 313 reportable ingredients: Methyl Isobutyl Ketone 108-10-1

US state regulations: California Proposition 65: This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm. Methyl Isobutyl Ketone (108-10-1)

International inventories: All components are listed or exempt.

SECTION 16: OTHER INFORMATION

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS