

TECH LINE Coatings

SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: HHTD

Recommended Use: High Heat Thermal Dispersant

Manufacturer / Supplier:

Tech Line Coatings, Inc

26844 ADAMS AVE.

MURRIETA, CA 92562

USA

Phone 951-304-0834 Fax

951-461-9658

www.techlinecoatings.com

Part Number: HHTD

Restrictions on Use:

Keep out of reach of children.

Not recommended for use on Medical equipment.

Not recommended for use on Aviation equipment.

Emergency Phone: N.America 1-800-535-5053

Intl. +1-352-323-3500

Section 2 – Hazards Identification

OSHA status: This material is considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200)

Classification of the substance or mixture:

Signal Word: Danger

Hazard Statements: Flammable liquid and vapor

Harmful if inhaled

Causes skin Irritation

Symbols:



Precautionary Statements:

Keep away from heat / sparks / open flames / hot surfaces. - No Smoking. Ground / bond container and receiving equipment. Use explosion proof electrical / ventilating / lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

In case of fire use alcohol-resistant foam, dry chemical or carbon dioxide

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Wear protective gloves / protective clothing (chemical proof). Wear eye protection and face protection. Wash hands, face and any exposed skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat drink or smoke when using this product. Do not breath fumes / mist / vapors / spray. Use only outdoors or in a well ventilated area.

If swallowed: immediately call a poison center / doctor for medical advice. Do NOT induce vomiting.

If on skin: wash with plenty of water. Call a poison center / doctor if you feel unwell or if irritation occurs. Immediately take off all contaminated clothing and wash it before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center / doctor for medical advice.

If in eyes: Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center / doctor.

If exposed or concerned: Get medical advise / attention, from a poison center / doctor.

Dispose of Contents / container in accordance with regulations in your area. See section 13 for additional information.

Section 3 – Composition / Information On Ingredients

<u>Component Name</u>	<u>Common Name / Synonyms</u>	<u>CAS#</u>	<u>% of Weight</u>
Xylene*		1330-20-7	>35%
.CRYSTALLINE SILICA		14808-60-7	>1%
ISOBUTYL ALCOHOL		78-83-1	>35%
METHANOL		67-56-1	<1%
.MOLYBDENUM DISULFIDE		1317-33-5	<10%
CARBON BLACK COMPOUND		1333-86-4	<10%

* NOTE: XYLENE IS CONSIDERED BY SOME AUTHORITIES TO BE A CARCINOGEN

Other ingredients are not hazardous based on OSHA standard Section 29 CFR 1910.1200

Section 4 – First Aid Measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water, and remove contaminated clothing shoes and leather goods. Consult a physician..

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 – Fire Fighting Measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	Special Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire And Explosion Hazards: Hazardous decomposition products formed under extreme fire conditions. - Carbon and other oxides. Vapors are heavier than air and may travel to a source of ignition and flash back.	Additional Information: Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Soak up with inert absorbent material.
- Keep in suitable, marked and closed containers for disposal.
- Use spark-proof tools and explosion-proof equipment.
- Remove sources of ignition.
- Warn other workers of spill.
- Wear protective equipment

- NIOSH Approved Respirator
- Gloves
- Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7 – Handling And Storage

Handling:

Do not breathe vapors or mists from spraying. Avoid contact with skin and eyes. Use with adequate ventilation to maintain exposure levels below established exposure limits. Wear personal protective equipment. If required wear an appropriate NIOSH approved respirator with paint prefilter. Use explosion-proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Take precautionary measures against static discharges.

Storage:

Store in area suitable for flammable liquids. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Protect from oxidizers, inorganic acids, aldehydes, and isocyanates.

Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL
XYLENE	TLV 100 PPM TWA 150 PPM	TWA 100 ppm	100 ppm 10 hour shift 200 ppm 10 minutes
CRYSTALLINE SILICA	1 mg/m ³	1 mg/m ³	0.05 mg/m ³ (respirable dust)
ISOBUTYL ALCOHOL	50 ppm	100 ppm	TWA 150 mg/m ³ 50 ppm
METHANOL	200 ppm 8 hours	200 ppm 10 hour	200 ppm 10 hours
MOLYBDENUM DISULFIDE	TLV: 10 mg/m ³	10 mg/m ³	3 mg/m ³
.CARBON BLACK COMPOUND	Not Available	3 mg/cu m	3.5 mg/cu m

- Engineering Controls:** Exhaust ventilation.
Showers
Eyewash stations
Use in a well-ventilated area.
- Respiratory Protection:** Use NIOSH approved respirator if TWA/TLV limits are exceeded
- Protective Gloves:** CHEMICAL RESISTANT
- Eye Protection:** SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES
- Other Protective Equipment:** WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES
- Ventilation:** Local Exhaust: Use To Maintain Below TWA Limits
- Mechanical:** Use Non-Sparking Equipment
- Work / Hygienic Practices:** wash thoroughly after handling product and before eating, drinking or smoking

Section 9 – Physical And Chemical Properties

- Form : liquid
- Color : Black
- Odor : Mixture of Solvents

Odor Threshold:	Not Established
pH :	No data available
Melting point/range :	No data available
Initial boiling point :	> 150° F.
Flash point :	> 26° F.
Evaporation Rate:	No data available on mixture
Upper/lower flammability or explosive limits:	No data available on mixture
Vapor pressure	No data available on mixture
Vapor density	> 1 - (air =1)
Relative density	No data available on mixture
Solubility(ies)	No data available on mixture
Partition coefficient: n-octanol/water	No data available on mixture
Auto-ignition temperature	No data available on mixture
Decomposition temperature	No data available on mixture
Viscosity	No data available on mixture
Total VOC	< 170 g/l

Section 10 – Stability And Reactivity

Stability:	STABLE
Possibility of hazardous reactions:	Hazardous Polymerization: Will not occur.
Conditions to avoid:	Avoid storage of open containers at elevated temperatures. Heat, flames and sparks, direct sunlight.
Incompatible Materials:	Oxidizing material can cause a reaction.
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silicon dioxide. Carbon oxides. Metal oxides. Formaldehyde.

Section 11 – Toxicological Information

Potential Health Effects

Inhalation	Toxic if inhaled.
Ingestion	May be fatal if swallowed and enters airways
Skin	Harmful in contact with skin. Causes skin irritation.
Eyes	Causes Serious Eye Damage
Acute Toxicity	
Xylene	Oral LD50 .2119 mg/kg Mouse, 4300 mg/kg Rat
	Inhalation LC50 Rat 6700 ppm 4 hours
	Dermal LD50 Rabbit 5000 mg/kg

ISOBUTYL ALCOHOL	Oral LD50	Mouse 3500 mg/kg Rat 2.46 g/kg
	Inhalation LC50	Rat 8000 mg/l, 4 Hours
	Dermal LD50	Rabbit 3392 mg/kg
METHANOL	Oral LD50	No data available
	Inhalation LC50	Rat 64000 ppm 4 hour
	Dermal LD50	Rabbit - 24 hours 20 milligrams
MOLYBDENUM DISULFIDE	Oral LD50	Not Available
	Inhalation LC50	Not available
	Dermal LD50	Not available
CARBON BLACK COMPOUND	Oral LD50	LD50/oral/rat = > 8000 mg/kg. (Equivalent to OECD TG 401).
	Inhalation LC50	not available
	Dermal LD50	Not available

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene, Xylene)

This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Reproductive Toxicity

No data available

Specific Target Organ Toxicity Repeated Or Prolonged Exposure No data available

Aspiration Hazard

May be harmful if swallowed and enters airways

Section 12 – Ecological Information

General Comments:

Do not allow material to be released into the environment without proper governmental permits Environmental

Toxicity:

Alcohol

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 1220 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates No data available

Molybdenum Disulfide

Toxicity to fish (96 h) > 1000mg/l, Species: Brachydanio rerio (zebrafish), Method: OECD Guideline 203

Toxicity to daphnia and other aquatic invertebrates EC50 (24 h) > 5600 mg/l

Xylene

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates

No data available

Section 13 – Disposal Considerations

Waste Disposal Method:

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes Characteristic Waste:

Ignitable: D001

TCLP: D018

State or local laws may impose additional regulatory requirements regarding disposal.

Contaminated Packaging

Dispose of as unused product.

Section 14 – Transportation Information

Hazardous for Shipping: Yes

Based on 49 CFR, IATA and IMDG:

UN Number: UN1263

UN Proper Shipping Name: Paint

Hazard Class: 3

Packing Group: III

Labels: Flammable Liquid

Placards: Flammable Liquid

Section 15 – Regulations

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All hazardous ingredients are on the TSCA Chemical Substance Inventory.

Component	%	CAS Number	SARA 313	SARA 304	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
Xylene	>36%	1330-20-7	Yes	Yes	Yes	Yes	Yes	
Methanol	<>1%	28630-33-3						Yes
ISOBUTYL ALCOHOL	>35%	78-83-1	No	No	Yes	Yes	Yes	No
CRYSTALLINE SILICA	>1%	14808-60-7				Yes	Yes	Yes

* Please note that these were random sample analyses and content may vary from batch to batch.

SARA 311 / 312 Hazards: Flammable Hazard ,Acute Health Hazard, Chronic Health Hazard

Section 16 – Other Information

Date Prepared: 11/22.2016 Date

Updated:

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