



Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

Section 1: Product and Company Identification

Product Name: CSP007
Product Type: Nuclear Penetrant
Manufacturer: TECHNIWELD USA
Physical Address: 6205 BOAT ROCK BLVD
ATLANTA, GA 30336
Mailing Address: P.O. Box 44226
ATLANTA, GA 30336
Business Phone: 404-699-9900
Business Fax: 404-699-7800
E-mail Address: info@TECHNIWELDUSA.COM
Web Address: www.TECHNIWELDUSA.COM
Emergency Phone: CHEMTREC (24-Hour) 1-800-424-9300
Outside of the USA & Canada 1-703-527-3887
Date of Preparation: April 29, 2013 (Revised September 26, 2018)
OSHA Regulatory Status: Regulated
WHMIS Classification: A, B-5, D-2A

Section 2: Hazards Identification

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

GHS Label Elements, Including Precautionary Statements

Emergency Overview

DANGER

Hazard Statements

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.



Appearance: Clear

Physical State: Aerosol

Odor: Light Vanilla Scent

Precautionary Statements - Prevention

Wash hands and face thoroughly after handling.

Wear protective gloves/eye protection/face protection.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Keep away from heat/sparks/open flames/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.

Precautionary Statements - Response

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/attention.

IF ON SKIN: Wash with plenty of soap and water.

IF SKIN IRRITATION OCCURS: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up.

Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 122°F (50°C). Keep container tightly closed.

Precautionary Statements - Disposal

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

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): None

OTHER INFORMATION:

- Toxic to aquatic life with long lasting effects.
- 0.9117354% of the mixture consists of ingredient(s) of unknown toxicity

Section 3: Composition and Information on Ingredients

CHEMICAL NAME	CAS #	Weight %*
HYDROTREATED LIGHT DISTILLATES	64742-47-8	30-40
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	20-30
BIS(2-ETHYLHEXYL)TEREPHTHALATE	6422-86-2	1-10
XYLENE	1330-20-7	0.1-1.0

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

Section 4: First Aid Measures

First Aid Measures for Different Exposure Routes

GENERAL ADVICE: Avoid contact with eyes, skin and clothing. Avoid breathing, vapors, mist, or gas.

EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if irritation persists.

SKIN CONTACT: Wash off immediately with plenty of water. Get medical attention immediately if symptoms occur.

INHALATION: Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

INGESTION: Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

Most Important Symptoms/Effects, Acute and Delayed

MAIN SYMPTOMS: Causes skin and eye irritation. Inhalation causing Central Nervous System effects. Ingestion causing lung damage.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

NOTES TO PHYSICIAN: Treat symptomatically.

Section 5: Fire Fighting Measures

SUITABLE EXTINGUISHING MEDIA: Water fog. Dry chemical. Carbon dioxide (CO₂). Cool containers / tanks with water spray.

UNSUITABLE EXTINGUISHING MEDIA: Do not use a solid water stream as it may scatter and spread fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Flammable or extremely flammable aerosol. Container may burst in fire.

Explosion Data

SENSITIVITY TO MECHANICAL IMPACT: None.

SENSITIVITY TO STATIC DISCHARGE: Yes.

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 shielding to protect fire-fighters from bursting containers.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

PERSONAL PRECAUTIONS: Use with adequate ventilation to keep the exposure levels below the OELS.

Environmental Precautions

ENVIRONMENTAL PRECAUTIONS: Report spills as required by local and federal regulations.

Methods and Materials for Containment and Cleaning Up

METHODS FOR CONTAINMENT: Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP: Contain liquid and collect with an inert, non-combustible material.

Section 7: Handling and Storage

Precautions for Safe Handling

ADVICE ON SAFE HANDLING: Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

Conditions for Safe Storage, Including Any Incompatibilities

TECHNICAL MEASURES/STORAGE CONDITIONS: Keep containers tightly closed in a dry, cool and well-ventilated place.

INCOMPATIBLE PRODUCTS: Store away from strong oxidizers and acids.

AEROSOL LEVEL: 3

Section 8: Exposure Controls / Personal Protection

Control parameters

EXPOSURE GUIDELINES:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
HYDROTREATED LIGHT DISTILLATES 64742-47-8	TWA: 200 PPM 8 hours	-	-
PROPANE/ISOBUTANE/ N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6: TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³ 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	74-98-6: IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³ 106-97-8: TWA: 800 ppm TWA: 1900 mg/m ³ 75-28-5: TWA: 800 ppm TWA: 1900 mg/m ³
XYLENE 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³	

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

OTHER EXPOSURE GUIDELINES: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure Controls

ENGINEERING MEASURES: Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELS.

Individual Protection Measures, Such as Personal Protective Equipment

EYE/FACE PROTECTION: Safety glasses with side-shields.

SKIN AND BODY PROTECTION: Chemical resistant apron. Protective gloves.

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.

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practice

Section 9: Physical and Chemical Properties

<u>PHYSICAL STATE</u> :	Aerosol	
<u>APPEARANCE</u> : <u>COLOR</u> :	Clear	
	Red	
<u>ODOR</u> :	Light Vanilla Scent	
<u>ODOR THRESHOLD</u> :	No information Available	
Property	Values	Remarks • Methods
<u>pH</u> :	No information available	
<u>MELTING/FREEZING POINT</u> : <u>BOILING POINT/BOILING RANGE</u> : <u>FLASH POINT</u> :	No information available	
<u>EVAPORATION RATE</u> : <u>FLAMMABILITY (SOLID, GAS)</u> : <u>FLAMMABILITY LIMITS IN AIR</u> :	-96.4°C / -141°F	Based on propellant
	No information available	
	No information available	
<u>UPPER FLAMMABILITY LIMIT</u> : <u>LOWER FLAMMABILITY LIMIT</u> :	No information available	
<u>VAPOR PRESSURE</u> :	No information available	
<u>VAPOR DENSITY</u> :	No information available	
<u>SPECIFIC GRAVITY</u> :	No information available	
<u>WATER SOLUBILITY</u> :	0.770	
<u>PARTITION COEFFICIENT</u> : n-octanol/water	Practically insoluble	
<u>AUTO-IGNITION TEMPERATURE</u> :	No information available	
<u>DECOMPOSITION TEMPERATURE</u> : <u>VISCOSITY</u> :	No information available	Not applicable
<u>EXPLOSIVE PROPERTIES</u> :	No information available	
	No information available	
	No information available	
Other information		
<u>VOC CONTENT(%)</u> :	30.36	

Section 10: Stability and Reactivity

REACTIVITY: No data available

CHEMICAL STABILITY: Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing

CONDITIONS TO AVOID: Extremes of temperature and direct sunlight.

INCOMPATIBLE MATERIALS: Store away from strong oxidizers and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides

Section 11: Toxicological Information

Information on Likely Routes of Exposure

PRODUCT INFORMATION: Product does not present an acute toxicity hazard based on known information.

INHALATION: Exposure to high vapor concentrations may cause nervous systems effects such as headache, nausea, and dizziness.

EYE CONTACT: Irritating to eyes.

SKIN CONTACT: Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis.

INGESTION: Not acutely toxic. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
HYDROTREATED LIGHT DISTILLATES 64742- 47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
XYLENE 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h

Information on Toxicological Effects

SYMPTOMS: Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting. Causes eye and skin irritation. Prolonged or repeated exposure may cause dermatitis. May cause respiratory system irritation. May be fatal if swallowed and enters airways.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

SKIN CORROSION/IRRITATION: Irritating to skin.

EYE DAMAGE/IRRITATION: Irritating to eyes.

SENSITIZATION: No information available.

GERM CELL MUTAGENICITY: No information available.

CARCINOGENICITY: The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen. There are no known carcinogenic chemicals in this product

Chemical Name	ACGIH	IARC	NTP	OSHA
Xylene 1330-20-7	-	Group 3	-	-

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

REPRODUCTIVE TOXICITY: The ingredients are not reproductive hazards.

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE): May cause respiratory irritation. May cause drowsiness and dizziness.

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE): No information available.

CHRONIC TOXICITY: Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis.

TARGET ORGAN EFFECTS: Central nervous system, Eyes, Respiratory system, Skin.

ASPIRATION HAZARD: May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity - Product Information

UNKNOWN ACUTE TOXICITY: 0.9117354% of the mixture consists of ingredient(s) of unknown toxicity

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

ATEmix (oral): 920 mg/kg

ATEmix (dermal): 2501 mg/kg

ATEmix (inhalation-vapor): 106 mg/l

Section 12: Ecological Information

ECOTOXICITY:

Chemical Name	Toxicity to Fish	Toxicity to Daphnia and other Aquatic Invertebrates
HYDROTREATED LIGHT DISTILLATES 64742-47-8	2.2 mg/L LC50 Lepomis macrochirus 96h static 2.4 mg/L LC50 Oncorhynchus mykiss 96h static 45 mg/L LC50 Pimephales promelas 96h flow-through	-
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-
XYLENE 1330-20-7	13.1 - 16.5 mg/L LC50 Lepomis macrochirus 96h flow-through 13.5 - 17.3 mg/L LC50 Oncorhynchus mykiss 96h 2.661 - 4.093 mg/L LC50 Oncorhynchus mykiss 96h static 23.53 - 29.97 mg/L LC50 Pimephales promelas 96h static 30.26 - 40.75 mg/L LC50 Poecilia reticulata 96h static 7.711 - 9.591 mg/L LC50 Lepomis macrochirus 96h static 13.4 mg/L LC50 Pimephales promelas 96h flow-through 19 mg/L LC50 Lepomis macrochirus 96h 780 mg/L LC50 Cyprinus carpio 96h semi-static 780 mg/L LC50 Cyprinus carpio 96h	0.6 mg/L LC50 Gammarus lacustris 48h 3.82 mg/L EC50 water flea 48h

PERSISTENCE AND DEGRADABILITY: No information available.

BIOACCUMULATION: No information available.

Chemical Name	log Pow
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
XYLENE 1330-20-7	3.15

OTHER ADVERSE EFFECTS: No information available

Section 13: Disposal Considerations

Waste Treatment

WASTE DISPOSAL METHODS: Dispose of in accordance with federal, state, and local regulations.

CONTAMINATED PACKAGING: Do not re-use empty containers.

Section 14: Transportation Information

DOT GROUND: CONSUMER COMMODITY ORM-D
or LIMITED QUANTITY

IATA: UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

IMDG: UN1950, AEROSOLS, 2.1, LTD. QTY.

Section 15: Regulatory Information

INTERNATIONAL INVENTORIES

Chemical Name	TSCA	DSL/NDSL	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AICS
HYDROTREATED LIGHT DISTILLATES	X	X	X	X	X	X	X	X
PROPANE/ISOBUTANE/ N- BUTANE	X	X	X	Not listed	X	X	X	X
BIS (2-ETHYLHEXYL) TEREPHTHALATE	X	X	X	X	X	X	X	X
XYLENE	X	X	X	X	X	X	X	X

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 Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. FEDERAL REGULATIONS**SARA 313**

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

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
XYLENE 1330-207	1330-20-7	0.1-1.0	1.0

SARA 311/312 Hazard CategoriesACUTE HEALTH HAZARD: YesCHRONIC HEALTH HAZARD: YesFIRE HAZARD: YesSUDDEN RELEASE OF PRESSURE HAZARD: YesREACTIVE HAZARD: No**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):

Chemical Name	CWA Reportable Quantities	CWA Toxic Pollutants	CWA Priority Pollutants	CWA Hazardous Substances
XYLENE 1330-20-7	100 lb			X

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):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
XYLENE 1330-20-7	100 lb		RQ 100 lb final RQ RQ 454 kg final RQ

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

This product does not contain any known Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
XYLENE 1330-20-7	X	X	X

EPA PESTICIDE REGISTRATION NUMBER: Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Section 16: Other Information

NFPA: Health Hazard | 2 | Flammability | 4 | Instability | 0 | Physical and Chemical Hazards | - |
HMIS: Health Hazard | 2 | Flammability | 4 | Physical Hazard | 1 | Personal Protection | B |