SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CRYLI-TEK 5505
PRODUCT CODES: 5505

MANUFACTURER: KRETETEK INDUSTRIES
STREET ADDRESS: 66 RIVER ROAD
CITY, STATE, ZIP: HUDSON, NH 03051

INFORMATION PHONE: 855-573-8383
EMERGENCY PHONE: Chemtrec 800-424-9300
FAX PHONE: 855-573-8383

DATE REVISED: 5/30/18

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview
OSHA Hazards: Highly Flammable Liquid, suspected of causing cancer, toxic to aquatic life with long lasting effects, causes serious eye irritation, may cause respiratory irritation, may cause drowsiness or dizziness, may be harmful if swallowed, may be harmful if swallowed and enters airways, causes skin irritation.
Target Organs: Eyes, Skin, Respiratory System, Central Nervous System
GHS Classification
Flammable Liquids Category 2
Carcinogenicity Category 2
Hazardous to the Aquatic Environment – Long-Term (Chronic) Hazard Category 2
Eye Damage/Irritation Category 2A
Skin Corrosion/Irritation Category 2
Specific target organ toxicity – single exposure Category 3
Aspiration Hazard Category 2
Acute Toxicity, Inhalation Category 4
Acute Toxicity, Oral Category 5
Label Elements, including precautionary statements

Pictograms:

Signal Word: Danger

Hazard Statements:
H225 Highly Flammable Liquid and Vapour
H351 Suspected of Causing Cancer
H411 Toxic to aquatic life with long lasting effects
H303 May be harmful if swallowed

H305 May be harmful if swallowed and enters airways
H315 Causes skin irritation
H319 Causes serious eye irritation
H333 May be harmful if inhaled
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness Precautionary Statement(s)
Prevention:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 Keep container tightly closed.
P240 Ground and bond the container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands and skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P308+P313 If exposed or concerned: Get medical advice/attention
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332+P313 If skin irritation occurs: Get medical advice or 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 or attention.
P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire use, “alcohol resistant” foam, dry chemical, halon or carbon dioxide to extinguish.
P391 Collect Spillage

Storage: P403+P235+P233 Store in a well-ventilated place. Keep cool. Keep container tightly closed.
P405 Store Locked Up
Disposal: P501 Dispose of contents/container in accordance with local/regional/national regulations.
Hazards not otherwise classified: Repeated exposure may cause skin dryness and cracking.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL
Acetone	67-64-1			
Acrylic Polymer Non-Hazardous				
Parachlorobenzotrifluoride	98-56-6			
Petroleum Hydrocarbon	64742-95-6			
Tert Butyl Acetate	540-88-5			
Dimethyl Carbonate	616-38-6			
Toluene	108-88-3			

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

First Aid Measures
General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
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: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
Skin Contact: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol-resistant foam, dry chemical, halon or carbon dioxide
Specific Hazards Arising from the Chemical: In a fire or if heated a pressure increase will occur and the container may burst.
Hazardous Combustion Products: Carbon dioxides & Carbon monoxide
Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus and full protective gear for firefighting.
Further Information: Use water spray to cool unopened containers. See Section 7 for safe handling and storage

SECTION 6: RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways.
Methods and Material for Containment and Cleaning Up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond the container and receiving equipment. Take measures to prevent the buildup of electrostatic charge. Use non-sparking tools. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Conditions for Safe Storage, Including any Incompatibilities: Keep container tightly closed in a dry, cool and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
Component Exposure Limits: Acetone, CAS# 67-64-1: UK. EH40 WEL TWA 500 ppm 8 hours, STEL 1500 ppm 15 minutes. Petroleum Hydrocarbon, CAS# 64742-95-6: OSHA 400 ppm 8 hr. TWA Toluene, CAS# 108-88-3: OSHA TWA 200 ppm, Ceiling 300 ppm, Max conc. 500 ppm
Appropriate Engineering Controls: Local Ventilation: Recommended, General Ventilation: Recommended
Individual Protection Measures, such as Personal Protective Equipment: Eye/Face Protection: Use proper protection – Safety Glasses as a minimum Skin and Body Protection: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact. Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.
Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties
Physical State: Liquid
Appearance: Clear
Odor: Solvent Odor
Color: Colourless
Odor threshold: No Data
Property Value Remarks – Method
Vapor Pressure Not Available
Vapor Density Not Available
Relative Density Not Available
pH: Not Relevant
Melting/Freezing Point Not Relevant
Solubility Not Available
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Evaporation Rate Not Available
Flash Point -17 Degrees C (1 Degree F) Tag Closed Cup
Flammability Limits Lower Limit: 2.0% Upper Limit: 13.0%
Flammability (Solid, gas) Not Relevant
Auto Ignition Temperature Not Available
Initial Boiling Point/Boiling Range 56 Degrees C
Decomposition Temperature Not Available
Viscosity Not Available
Specific Gravity 0.93 at 25 Degrees C
Density: 7.74 Lbs./gal.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Heat, Flames and Sparks
Incompatible Materials: Keep away from strong oxidizing agents, strong alkalis and strong acids.
Hazardous Decomposition Products: Hazardous decomposition products formed under fire conditions, Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact, Ingestion
Symptoms of Exposure: Product may cause drowsiness or dizziness if inhaled. Product may cause respiratory irritation. Product causes serious eye irritation. Causes skin irritation.
Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure: Eye, Skin & Respiratory System Irritation and Central nervous system depression. Repeated Exposure may cause skin dryness and cracking.
Aspiration Hazard: May cause chemical pneumonitis (aspiration of liquid) if swallowed and enters airways.
Carcinogenicity: Petroleum Hydrocarbon (CAS#64742-95-6), contains an ingredient, Naphthalene, which is classified by IARC as "possibly carcinogenic to humans" (Group 2B) and by NTP as a SUS, "Reasonably anticipated to be a human carcinogen". Petroleum Hydrocarbon (CAS#64742-95-6), contains an ingredient, Cumene which is classified by IARC as "possibly carcinogenic to humans" (Group 2B).
Reproductive Toxicity: In laboratory studies, birth defects, increased fetal lethality and delayed fetal development have been observed in offspring of female animals during pregnancy exposed to Toluene.
Teratogenicity: Toluene has been demonstrated to be embryofetotoxic and teratogenic in laboratory animals.
Numerical Measures of Toxicity: Acetone: LD50 Oral Rat: 5,800 mg/kg; LC50 Inhalation Rat: 50,100 mg/m3 - 8 hrs.; LD50 Dermal Guinea pig: 7,426 mg/kg
PCBTF: LD50 Oral Rat: 13,000 mg/kg; LD50 Dermal Rabbit: >2.7 g/kg; LC50 Inhalation Rat: 4479 ppm.
Petroleum Hydrocarbon CAS#64742-95-6: LD50 Oral Rat: >5,000 mg/kg; LC50 Inhalation Rat: >5.2 mg/l 4 hrs.;LD50 Dermal Rabbit: >2,000 mg/kg.
Tert Butyl Acetate: LD50 Oral Rat: 4,100 mg/kg; LC50 Inhalation Rat: >2,230 mg/m3 4 hrs.; LD50 Dermal Rabbit >2 g/kg.
Dimethyl Carbonate: LD50 Oral Rat: 13,000 mg/kg; LD50 Dermal Rabbit >5,000 mg/kg.
Toluene: LC50 Inhalation Rat: >15.07 mg/l 4 hrs.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Material is expected to be harmful to aquatic organisms. Material may cause long-term adverse effects in the aquatic environment.
Toxicity to Fish, Component Petroleum Hydrocarbon CAS#64742-95-6: 2-5 mg/l Exposure Time 96 hrs. Species: Oncorhynchus mykiss (rainbow trout).
Toxicity to daphnia and other aquatic invertebrates, Component Petroleum Hydrocarbon CAS#64742-95-6: 0.95 mg/l Exposure Time 48 hrs. Species: daphnia magna (water Flea).
Toxicity to algae, Component Petroleum Hydrocarbon CAS#64742-95-6: EL50: 1-3 mg/l Exposure Time 1 day
Species: Pseudokirchneriella subcapitata (green algae).
Persistence and Degradability: No Data Available
Bioaccumulation: No Data Available
Mobility: This material has a low solubility in water. The solvent portion has high volatility (tendency to move from water to air) and will partition rapidly to the air. Therefore chronic aquatic toxicity is not expected, however a significant spill may cause long-term adverse effects in the aquatic environment.
Other Adverse Effects: No Data Available

SECTION 13: WASTE DISPOSAL

Waste Treatment Methods: Disposal of Wastes: Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated Packaging: Dispose of as unused product.

SECTION 14: TRANSPORATION

D.O.T. (Ground)" UN1263, PAINT, 3, II
Limited Quantity Packaging Exception for 1 gallon or smaller containers for Ground Shipments Only.
49 CFR 173.150(b) Limited Quantities
Limited Quantities of flammable liquids (Class 3) are excepted from labeling requirements …, specification packaging …, and shipping papers…
This exception does not apply to air and vessel shipment.

49 CFR 173.150(b)(2) Limited Quantities for flammable liquids in Packing Group II, inner packagings not over 1.0 Liter (0.3 gallons) net capacity each, placed in a strong outer packaging.
49 CFR 172.102 Special Provision 149 When transported as a limited quantity, the maximum net capacity specified in 49 CFR 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 Liters (1.3 gallons).
I.A.T.A. (Air) UN1263, PAINT, 3, II
I.M.D.G. (Vessel): UN1263, PAINT, 3, II
Marine Pollutant: Yes

SECTION 15: REGULATORY INFORMATION

International Inventories
TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

US Federal Regulations
SARA 302: None
SARA 311/312 Hazard Categories: Acute: Yes, Fire: Yes, Chronic: Yes (40 CFR 370)
SARA 313 Hazard Categories:
CAS Number Component Name Wt. %
91-20-3 Naphthalene <1.3%
98-82-8 Cumene <0.2%
95-63-6 1,2,4-Trimethylbenzene <0.2%
108-88-3 Toluene <0.2%
CWA (Clean Water Act): This product contains petroleum hydrocarbons and may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface

waters must be reported to the National Response Center at 1-800-424-8802.
Supplemental State Compliance Information
California: Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.
Naphthalene – Carcinogen
Cumene - Carcinogen
Toluene – Developmental Toxin
States Right To Know:
Petroleum Hydrocarbon, CAS# 64742-95-6: Pennsylvania, New Jersey.
Naphthalene, CAS# 91-20-3: New Jersey, Illinois, Minnesota, Pennsylvania, Rhode Island, New York, Massachusetts.
1,2,4-Trimethylbenzene, CAS# 95-63-6: New Jersey, Illinois, Minnesota, Pennsylvania, Rhode Island. Massachusetts.
Cumene, CAS# 98-82-8: New Jersey, Pennsylvania.
Toluene, 108-88-3: New Jersey, Pennsylvania.

U.S. EPA Label Information: No Data

HMIS Classification:
Health hazard: 2*
Flammability: 3
Physical Hazards: 0
NFPA Rating:
Health hazard: 2
Fire: 3
Reactivity Hazard: 0

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.