Think & Tinker, Ltd.

Safety Data Sheet

Revision Date: March 8, 2026

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name:	ColletCare[KN]
Part number:	ML00-1000-XXX
Product Use Description:	Penetrant, solvent
Company:	Think & Tinker, Ltd. 615 County Line Rd. Unit H Palmer Lake, CO 80133 USA
Website:	www.precisebits.com
Email:	support@precisebits.com
Telephone:	719-488-9640
Emergency telephone:	719-358-1988

NFPA HAZARD RATING
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant

Section 2: Hazard Identification

Hazard Statements:

H303 May be harmful if swallowed.
H316 Causes mild skin irritation:
H320 Causes eye irritation.

Pictograms:

Signal Word: Danger

Precautionary Statements:

P261: Avoid breathing mist or vapor: Category 3 - Specific target organ toxicity – (single exposure) respiratory tract irritation.
P264: Specific target organ toxicity - Category 1 (repeated exposure) Target Organs - Liver, Kidney, Blood.
P264: Wash thoroughly after handling: Category 2 - Skin corrosion / irritation, wear protective gloves.
P271: Use only outdoors in a well-ventilated area: Category 3 - Specific target organ toxicity, single exposure; respiratory tract irritation.
P273: Avoid release to the environment: Category 2 - Hazardous to the aquatic environment, chronic toxicity

Supplemental Information: none available

Section 3: Composition / Information on Ingredients

Mixtures:

Common Names and Synonyms	CAS Number	%
Soy methyl ester	67784-80-9	96.8-99
Proprietary, non-hazardous, non-regulated ethoxylated alcohol surfactant	Trade secret	0.08 – 2
2,6-Di-tert-butyl-p-cresol – BHT	128-37-0	<1

Section 4: First Aid Measures

Inhalation:	Remove victim to fresh air and keep at rest in a positon comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact:	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs, get medical advice or attention. Wash contaminated clothing before reuse.
Eye Contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs or persists.
Ingestion:	Rinse mouth. Call a doctor/physician if you feel unwell. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into lungs. Never give anything by mouth to an unconscious person. Consult a physician.
Notes to Physician:	Symptoms: • May cause drowsiness and dizziness. • Headache • Nausea, vomiting (see above) • Aspiration may cause pulmonary edema and pneumonitis. • Skin irritation, redness, pain Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Section 5: Firefighting Measures

Flash Point:	CLOSED CUP: 71.111°C (160°F), OPEN CUP: 87.78°C (190°F)
Suitable Extinguishing Media:	CO2, Dry Chemical for small fires, foam for large fires, water spray
Unsuitable Extinguishing Media:	DO NOT use water jet as an extinguisher as this will spread the fire.
Special Protective Equipment for Firefighters:	Wear protective clothing including eye protection and gloves. Wear self-contained breathing apparatus for firefighting if necessary
Special Hazards During Firefighting:	None specified.
Firefighting instructions:	Move containers from fire area if this can be done without risk. Use standard firefighting procedures and consider the hazards of other involved materials.
Hazardous Decomposition:	Carbon monoxide (CO); carbon dioxide; gases hazardous to health may be formed
Fire Hazards in Presence of Various Substances:	Flammable in presence of open flames and sparks, of heat, of oxidizing materials.
Special Remarks on	No unusual fire or explosion hazards noted.

Fire Hazards	

Section 6: Accidental Release Measures	
Personal Precautions:	Keep unnecessary personnel away. Keep people away from and upwind or the spill / leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of this SDS.
Environmental Precautions:	Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained
Methods for Cleanup:	Contain spills and hold for disposal. Never return spills to original container for re-use. For waste disposal, see section 14 of SDS.

Section 7: Handling and Storage	
Handling:	Provide adequate ventilation. Keep container closed. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Storage:	Store locked up. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Emptied containers retain vapor and product residue. Observe all recommended safety precautions until container is cleaned, reconditioned or destroyed. The reuse of this material's container for non-industrial purposes is prohibited, and any reuse must be in consideration of the data provided in this material safety data sheet. Store away from incompatible materials (see Section 10 of SDS)

Section 8: Exposure Controls / Personal Protection	
Occupational exposure limits:	No exposure limits noted for ingredients
Biological limit values:	No biological exposure limits noted for ingredients
Appropriate engineering controls:	Good general ventilation (typically 10 air changes pre hour). Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
Individual protection measures:	Eye / face protection: Chemical respirator with organic vapor cartridge and full face-piece. Skin protection: Wear appropriate chemical resistant gloves and clothing. Respiratory protection: Chemical respirator with organic vapor cartridge and full face-piece Thermal hazards: Wear appropriate thermal protective gloves and clothing when necessary.
General hygiene considerations:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties			
Appearance:	Physical state – liquid Form – liquid Color – Yellow opaque	**Explosive limit – upper:**	Not available
		Vapor pressure:	<2mm Hg @ 20°C estimated
		Vapor density:	Estimated heavier than air
Odor:	Mild odor	**Relative density:**	7.3 lbs/gal (@25˚C)
Odor threshold:	Not available	**Solubility:**	Emulsifiable
pH:	6.65	**Auto ignition temp.:**	445˚C (833˚F)
Melting point / freezing point:	<32°F	**Decomposition temp.:**	Not available
Initial boiling point:	Over 300°F (149°C) estimated	**Viscosity:**	Not available
		Density:	7.34 lbs/gal (0.9 kg/l)
Flash point:	>200°F (>93.3°C) Tag closed cup	**Explosive properties:**	Not explosive
		Flammability class:	Combustible IIIB estimated
Evaporation rate:	<1 (n-butyl acetate=1)	**Moisture:**	< 0.2%
Flammability (solid, gas):	Not applicable	**Oxidizing properties:**	Not oxidizing
Flammability limit – lower:	Not available	**Percent volatile:**	0.27% estimated
Flammability limit – upper:	Not available	**Specific gravity:**	0.88
Explosive limit – lower:	Not available	**VOC (weight %)**	2.3%, 0.06lb/g, 20 g/l

Section 10: Stability and Reactivity	
Reactivity:	Stable and non-reactive under conditions of normal use, storage and transport.
Chemical stability:	Stable under normal conditions.
Hazardous reactions:	No dangerous reaction know under conditions of normal use.
Conditions to avoid:	Avoid temperatures exceeding flash point or contact with incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Produces carbon monoxide and carbon dioxide on combustion

Section 11: Toxicological Information

Inhalation:	May cause mild irritation of the throat and airways.
Skin contact:	Causes mild skin irritation
Eye contact:	Direct contact with eyes may cause temporary irritation
Ingestion:	Droplets of the product aspirated into lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to exposure:	May cause mild skin and eye irritation.
Acute Toxicity:	

Component	LD50 Oral	LD50 Dermal	LD50 Inhalation
2,6-Di-tert-butyl-p-cresol	>2000 mg/kg (Rat)	>2000 mg/kg (Rat)	NOT LISTED

Skin corrosion / irritation:	Causes skin irritation
Serious eye damage / irritation:	Direct contact with eye may cause temporary irritation.
Respiratory sensitization:	Not a respiratory sensitizer
Skin sensitization:	This product is not expected to cause skin sensitization.
Germ cell mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA
OSHA specifically regulate substances (29 CFR 1910.1001-1050)	Not listed
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity:	Single exposure – see Section 2 Repeated exposure – see Section 2
Aspiration hazard:	May cause irritation if swallowed and enters airways:
Chronic effects:	Prolonged exposure may be harmful:

Section 12: Ecological Information

Ecotoxicity:

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
2,6-Di-tert-butyl-p-cresol	EC50 = 0.758 mg/L 96h EC50 = 6 mg/L 72 h	LC50 = 0.199 mg/L 96h	EC50 = 7.82 mg/L 5 min EC50 = 8.57 mg/L 15 min EC50 = 8.98 mg/L 30 min	EC50 >0.31 mg/L 48h

Persistence and degradability:	No data available on the degradability of this product
Bioaccumulative potential:	No data available
Mobility in soil:	The product is immiscible with water and will spread on the water surface.
Other adverse effects:	No other adverse environmental effects are expected from this product or its components

Section 13: Disposal Considerations	
Disposal instructions:	Collect and reclaim or dispose in sealed containers at licensed waste disposal sites. Do not allow this material to drain into sewers / water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents / container in accordance with local / regional / national / international regulations.
Local disposal regulations:	Dispose in accordance with all applicable regulations.
Hazardous waste code:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions above).

Section 14: Transport Information	
DOT:	Not regulated as dangerous goods
IATA:	Not regulated as dangerous goods
IMDG:	Not regulated as dangerous goods
Bulk transport (Annex II, MARPOL 73/78 and IBC code):	Not established
General information:	Not regulated as dangerous goods

Section 15: Regulatory Information	
US Federal regulations	Not regulated
TSCA Sect. 12(b) Export Notification (40 CFR 707, Subpt. D)	Not listed
CERCLA Hazardous Substances List (40 CFR 302.4)	Not listed
SARA 304 Emergency release notification	Not regulated
Osha Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed
Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories	Immediate hazard – Yes Delayed hazard – No Fire hazard – No Pressure hazard – No Reactivity hazard – No
SARA 302 Extremely hazardous substance	Not listed
SARA 311/312 Hazardous Chemical:	No
SARA 313 (TRI reporting):	Not regulated
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:	Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):	Not regulated
Safe Drinking Water Act (SDWA):	Not regulated
U.S. California Controlled Substances, CA Dept. Justice (CHSC Section 11100):	Not listed
U.S. Massachusetts RTK – Substance List:	Not listed
U.S. New Jersey Worker and Community RTK Act:	Not listed
U.S. Pennsylvania Worker and Community RTK Law:	Not listed
U.S. Rhode Island RTK:	Not listed

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
2,6-Di-tert-butyl-p-cresol	X	X	-	204-881-4	-		X	X	X	X	X

Section 16: Other Information	
Issue date:	03-08-2026
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Version #	01
HMIS ratings:	Health:1
	Flammability: 1
	Physical hazard: 0
NFPA ratings:	Health:1
	Flammability: 1
	Physical hazard: 0