

Revision Date: April 25, 2016

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name:	ColletCare +P+	Part number: MI00-0100
Product Use Description:	Penetrant, solvent	
Company:	Think & Tinker, Ltd. 579 County Line Rd. Palmer Lake, CO 80133 USA	
Website:	www.thinktink.com	
Email:	support@thinktink.com	
Telephone:	719-488-9640	Emergency telephone: 719-358-1988

Section 2: Hazard Identification

Hazard Statements:	May cause an allergic skin reaction. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Physical Hazards:	Not classified
H317:	Sensitization, skin: Category 1
H402:	Harmful to aquatic life, acute toxicity: Category 3
H412:	Harmful to aquatic life with long lasting effects: Category 3
OSHA Defined Hazard	Not classified.

Pictograms:



Signal Word: Warning

Precautionary Statements:

P261:	Prevention: Avoid breathing mist or vapor: Category 3 - Specific target organ toxicity, single exposure; respiratory tract irritation
P220:	Storage: Store away from incompatible materials
P501:	Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations: Category 2
P302:	Response: Wash thoroughly after handling: Category 2 - Skin corrosion / irritation, wear protective gloves, If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Supplemental Information:	85.51% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment 85.51% of the mixture consists of component(s) of unknown long term acute hazards to the aquatic environment

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Section 3: Composition / Information on Ingredients

Mixtures:

Chemical name	CAS number	%
Bht (butylated Hydroxytoluene)	128-37-0	<1
Fresh Fragrance *	Trade secret	<0.2
Other components below reportable levels		90 - 100

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4: First Aid Measures

Inhalation:	Remove victim to fresh air and keep at rest in a position 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. Get medical attention if symptoms occur.
Notes to Physician:	<p>Symptoms:</p> <ul style="list-style-type: none"> • May cause an allergic skin reaction.. • Dermatitis • Rash <p>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.</p>

Section 5: Firefighting Measures

Flash Point:	> 200.0 °F (> 93.3 °C) Tag Closed Cup
Suitable Extinguishing Media:	Water fog, foam, dry chemical, or carbon dioxide (CO ₂)
Unsuitable Extinguishing Media:	DO NOT use water jet as an extinguisher as this will spread the fire.
Special Protective Equipment for Firefighters:	Firefighters, and others exposed, wear self-contained breathing apparatus and full protective clothing.
Special Hazards During Firefighting:	During fire, gases hazardous to health may be formed.
Fire fighting instructions:	<p>Move containers from fire area if this can be done without risk.</p> <p>Use standard firefighting procedures and consider the hazards of other involved materials.</p>
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 Fire Hazards	No unusual fire or explosion hazards noted.

Section 6: Accidental Release Measures	
Personal Precautions:	Keep unnecessary personnel away. Keep people away from and upwind of 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:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.
Methods for Cleanup:	<p>This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original container for re-use. For waste disposal, see section 14 of SDS.</p>

Section 7: Handling and Storage	
Handling:	<p>Provide adequate ventilation.</p> <p>Keep container closed.</p> <p>Avoid breathing vapor or mist.</p> <p>Avoid contact with eyes, skin and clothing</p> <p>Wear appropriate personal protective equipment.</p> <p>Wash hands thoroughly after handling.</p> <p>Avoid release to the environment.</p> <p>Observe good industrial hygiene practices.</p>
Storage:	<p>Store in original tightly closed container.</p> <p>Store away from incompatible materials (see Section 10 of the SDS).</p>

Section 8: Exposure Controls / Personal Protection			
Occupational exposure limits			
US. ACGIH Threshold Limit Values			
Components	Type	Value	Form
Bht (butylated Hydroxytoluene) - CAS 128-37-0	TWA	2mg/m3	Inhalable fraction and vapor.
US. NIOSH: Pocket Guide to Chemical Hazards			
Bht (butylated Hydroxytoluene) - CAS 128-37-0	TWA	10mg/m3	
Biological limit values:	No biological exposure limits noted for ingredients		
Appropriate engineering controls:	Good general ventilation (typically 10 air changes per 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	Explosive limit – upper:	Not available
	Form – liquid	Vapor pressure:	8.21hPa estimated
	Color – Yellow opaque	Vapor density:	Not available
Odor:	Naphthenic	Relative density:	Not available
Odor threshold:	Not available	Solubility:	water: Not available
pH:	Not available	Auto ignition temp.:	410°F (210°C) estimated
Melting point / freezing point:	Not available	Decomposition temp.:	Not available
Initial boiling point:	347°F (175°C) estimated	Viscosity:	Not available
		Density:	7.42 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:	Not available	Heat of combustion	3.33 kJ/g estimated (NFPA 30B)
Flammability (solid, gas):	Not applicable	Oxidizing properties:	Not oxidizing
Flammability limit – lower:	0.7% estimated	Percent volatile:	0.17% estimated
Flammability limit – upper:	8.5% estimated	Specific gravity:	0.89
Explosive limit – lower:	Not available	VOC (weight %)	8.18% estimated

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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:	No hazardous decomposition products are known.

Section 11: Toxicological Information		
Inhalation:	Prolonged inhalation exposure may be harmful.	
Skin contact:	May cause an allergic skin reaction.	
Eye contact:	Direct contact with eyes may cause temporary irritation	
Ingestion:	Expected to be a low ingestion hazard.	
Symptoms related to exposure:	May cause an allergic skin reaction. Dermatitis. Rash.	
Acute Toxicity:	May cause an allergic skin reaction.	
Components	Species	Test results
Bht (butylated Hydroxytoluene) (CAS 128-37-0)		
Acute		
Oral	Guinea pig	10700 mg/kg
LD50	Mouse	1040 mg/kg
	Guinea pig	890 mg/kg
* Estimates for product may be based on additional component data not shown.		
Skin corrosion / irritation:	Prolonged skin contact may cause temporary 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	
IARC Monographs. Overall Evaluation of Carcinogenicity	Bht (butylated Hydroxytoluene) (CAS 128-37-0) - Not classifiable as to carcinogenicity to humans.	
OSHA specifically regulated 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:	Not classified	
Aspiration hazard:	Not an aspiration hazard	
Chronic effects:	Prolonged exposure may be harmful:	

Section 12: Ecological Information		
Ecotoxicity:	Harmful to aquatic life with long lasting effects.	
Components	Species	Test Results
Bht (butylated Hydroxytoluene) (CAS 128-37-0)		
Aquatic		
Crustacea EC50	Water flea (Daphnia pulex)	1.44 mg/l, 48 hours
* Estimates for product may be based on additional component data not shown.		
Persistence and degradability:	No data available on the degradability of this product	
Bioaccumulative potential:	No data available	
Mobility in soil:	No data available	
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

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).
Contaminated packaging:	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.


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

Section 15: Regulatory Information	
US Federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Sect. 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated
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-	Not listed

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1050)	
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:	Bht (butylated Hydroxytoluene) (CAS 128-37-0)
U.S. New Jersey Worker and Community RTK Act:	Bht (butylated Hydroxytoluene) (CAS 128-37-0)
U.S. Pennsylvania Worker and Community RTK Law:	Bht (butylated Hydroxytoluene) (CAS 128-37-0)
U.S. Rhode Island RTK:	Not regulated
U.S. California Prop. 65 :	California Safe Drinking Water and Toxic Enforcement Act of 1986. This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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Section 16: Other Information	
Issue date:	07-23-2015
Revision date:	04-25-2016
Version #	02
HMIS ratings:	Health:2
	Flammability: 1
	Physical hazard: 0
NFPA ratings:	Health:2
	Flammability: 1
	Physical hazard: 0
	

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision Information

Fire-fighting measures: Firefighting equipment/instructions
 Fire-fighting measures: Specific hazards arising from the chemical
 Fire-fighting measures: General fire hazards
 Exposure controls/personal protection: Respiratory protection
 Physical and chemical properties: Odor
 Toxicological information: Carcinogenicity
 Regulatory Information: TSCA 12b Exported Products
 Regulatory information: US federal regulations