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# M A T E R I A L   S A F E T Y   D A T A   S H E E T

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## SECTION 1. Product and Company Identification THRUSH XX

**Product Code:** F-THRUSH XX  
**Product Name:** THRUSH XX  
**Manufacturer Information**  
**Company Name:** Distributed by:  
 Farnam Companies, Inc.  
 301 West Osborn Road  
 Phoenix, AZ  
**Emergency Contact:** CHEMTREC (800)424-9300  
**Alternate Emergency Contact:** District of Columbia (202)483-0414  
**Information:** Farnam Companies, Inc. (800)234-2269  
**Chemical Family:** Copper Naphthenate  
**Additional Identity Information**  
 33207 16-oz

## SECTION 2. Composition/Information on Ingredients THRUSH XX

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
COPPER NAPHTHENATE	1338-02-9	>50.0 %	No data.	No data.
Mineral Spirits	8052-41-3	40.0 %	500 ppm	100 ppm

## SECTION 3. Hazards Identification THRUSH XX

### Emergency Overview

Combustible liquid. Keep away from heat and all sources of ignition. Copper naphthenate is a moderate skin sensitizer. May cause mild eye irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage. Keep container tightly closed. Use adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Wash hands thoroughly after handling.

**Route(s) of Entry:** Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes

### Potential Health Effects (Acute and Chronic)

Can cause severe eye irritation, redness, tearing, blurred vision. Prolonged or repeated skin contact can cause moderate irritation, defatting, dermatitis. Inhalation can cause nasal and respiratory irritation, dizziness, fatigue, headache, unconsciousness and even asphyxiation. If swallowed can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

**Recommended Exposure Limits**

EXPLOSION LIMITS IN AIR - LOWER (%)....0.7 for mineral spirits

EXPLOSION LIMITS IN AIR - UPPER (%)....8.9 for mineral spirits

AUTOIGNITION TEMP (F) .....445 for mineral spirits

**LD 50 / LC 50**

ACUTE ORAL LD50: 7500 mg/kg for male rats and 5000 mg/kg for female rats for copper naphthenate.

ACUTE DERMAL LD50: >5000 mg/kg for male rabbits and >7940 mg/kg for female rabbits for copper naphthenate.

ACUTE INHALATION: >2.966 mg/l for rats (4-hour exposure) for copper naphthenate.

**Signs and Symptoms Of Exposure**

**EYE CONTACT:** Exposure to liquid may cause mild eye irritation. Symptoms may include stinging, tearing, and redness. Does not damage eye tissue.

**SKIN CONTACT:** Copper naphthenate is a known skin sensitizer. May cause skin defatting with prolonged exposure. Exposure may cause skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying, and cracking, and skin damage. Pre-existing skin disorders may be aggravated by exposure to this material.

**INGESTION:** Swallowing small amounts during handling is not likely to cause harmful effects; swallowing large amounts may be harmful. Symptoms may include gastrointestinal irritation (nausea, vomiting, diarrhea), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness). This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**INHALATION:** Causes mild respiratory irritation. Breathing small amounts during handling is not likely to cause harmful effects; breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits. Symptoms of exposure may include irritation (nose, throat, respiratory tract) and central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and possible death. Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage (sometimes referred to as Solvent or Painter's syndrome). Intentional misuse by deliberately concentrating or inhaling this material may be harmful or fatal.

**Medical Conditions Generally Aggravated By Exposure**

None determined

<b>SECTION 4. First Aid Measures</b> <b>THRUSH XX</b>
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**Emergency and First Aid Procedures**

**EYES:** If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water, holding eyelids apart. If symptoms persist, seek medical attention.

**SKIN:** Remove contaminated shoes and clothing, and flush affected area with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area thoroughly by washing with mild soap and water. If irritation or redness develops, seek medical attention. Launder clothing before reuse.

**INHALATION:** If respiratory symptoms develop, remove victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention. Keep person warm and quiet.

**INGESTION:** Aspiration hazard. Do not induce vomiting or give anything by mouth because this

material can enter the lungs and cause severe lung damage. If the victim is drowsy or unconscious, place on left side with head down. If possible, do not leave victim unattended. Seek immediate medical attention.

**Note to Physician**

None known.

**Additional First Aid Information**

Conditions aggravated by exposure may include skin disorders and respiratory (asthma-like) disorders.

<b>SECTION 5. Fire Fighting Measures</b> <b>THRUSH XX</b>
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**Flammability Classification:** Combustible Liquid - Class II  
**Flash Pt:** > 100.00 F  
**Explosive Limits:** LEL: See #3 UEL: See #3

**Fire Fighting Instructions**

During a fire water spray can scatter flames and should be used by experienced firefighters. Firefighters should wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires. In addition, wear appropriate protective equipment as conditions warrant. Isolate damage area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move damaged containers from danger area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

**Flammable Properties and Hazards**

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

**Hazardous Combustion Products**

Combustible liquid. Forms combustible mixtures with air or at or above flash point. This product can accumulate static charges, which can cause fire or explosion. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode and flash back.

**Extinguishing Media**

Dry chemical, carbon dioxide, Halon or foam. Water spray is recommended to cool or protect exposed materials or structures. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced firefighters. Halon may decompose into toxic materials. Carbon dioxide can displace oxygen. Use caution when applying Halon or carbon dioxide in confined spaces. Avoid spraying directly into storage containers due to danger of boilover. Product will float to the surface of water and may be reignited.

**Unsuitable Extinguishing Media**

No data available.

**Additional Fire Fighting Information**

For Autoignition information, see Section 3.

<b>SECTION 6. Accidental Release Measures</b> <b>THRUSH XX</b>
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**Steps To Be Taken In Case Material Is Released Or Spilled**

Eliminate all ignition sources, including pilot lights, electrical sparks (flares and flames). Spilled material may be absorbed into an appropriate absorbent material. Prevent spilled material from entering

sewers, storm drains, other authorized treatment drainage systems, and natural waterways. Stop spill/release at source if it can be done with minimal risk. Stay upwind and away from spill/release. Isolate danger and keep unauthorized personnel out. Use non-sparking tools and explosion-proof equipment. Recover by pumping or with a suitable absorbent. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

## SECTION 7. Handling and Storage THRUSH XX

### **Precautions To Be Taken in Handling**

Handle and open container with care. Emptied containers retain hazardous product residue. Do NOT reuse empty container. Do not use or store empty drum near open flame, sparks or other ignition sources. Empty drums should be completely drained and properly bunged. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

### **Precautions To Be Taken in Storing**

Keep container(s) tightly closed. Use and store this material in a cool, dry, well-ventilated area away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Keep away from heat or open flame. Store only in approved containers. Keep away from incompatible material.

### **Other Precautions**

KEEP OUT OF REACH OF CHILDREN

### **Additional Handling/Storage Information**

Indoor storage should meet OSHA standards and appropriate fire codes.

## SECTION 8. Exposure Controls/Personal Protection THRUSH XX

### **Respiratory Equipment (Specify Type)**

When exposures are not adequately controlled, use respirator approved for protection from organic vapors. If workplace exposure limit(s) of product or any component is exceeded, a NIOSH approved air supplied respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

### **Eye Protection**

Wear safety glasses or goggles to protect against exposure. Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses.

### **Protective Gloves**

Appropriate disposable gloves are acceptable. Resistant gloves such as Nitrile rubber can be worn.

### **Other Protective Clothing**

Impervious clothing and boots are recommended. Thoroughly clean shoes and wash contaminated clothing before reuse.

### **Engineering Controls (Ventilation etc.)**

If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

### **Work/Hygienic/Maintenance Practices**

Wash hands before eating, drinking, smoking or using restroom

## SECTION 9. Physical and Chemical Properties



None known.

### Chronic Toxicological Effects

None known.

### Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
COPPER NAPHTHENATE	1338-02-9	n.a.	n.a.	n.a.	n.a.
Mineral Spirits	8052-41-3	n.a.	n.a.	n.a.	n.a.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## SECTION 12. Ecological Information THRUSH XX

None known.

## SECTION 13. Disposal Considerations THRUSH XX

### Waste Disposal Method

Dispose of in accordance with local, state and federal environmental control regulations.

## SECTION 14. Transport Information THRUSH XX

### LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Consumer Commodity ORM-D

## SECTION 15. Regulatory Information THRUSH XX

No data available.

## SECTION 16. Other Information THRUSH XX

### Company Policy or Disclaimer

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

<b>Health:</b>	— <b>2</b>	Minimal: 0	<b>Generated</b> 03/30/2010 <b>Revision</b> 03/30/2010 <b>Supersedes Revision</b> 01/29/2009 <b>Date Created</b> 02/17/1992
<b>Flammability:</b>	<b>2</b>	Slight: 1	
<b>Reactivity:</b>	<b>0</b>	Moderate: 2	
<b>Protection:</b>	<b>B</b>	Serious: 3	
		Extreme: 4	