

Safety Data Sheet

Issued Date: May 14, 2015

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name F-202A Pine Scent Disinfectant and Detergent

Other means of identification

Product Code F-202A

EPA Reg. No. 1839-112-84076

Recommended use of the chemical and restrictions on use

Recommended Use Disinfectant and Cleaner for Institutional and Industrial Use.

Details of the supplier of the safety data sheet

Missouri Vocational Enterprises

2727 Highway K

Bonne Terre, MO 63628

Phone: (573) 358-5516

Emergency Telephone Number

INFOTRAC 1-800-535-5053 (North America)

1-352-323-3500 (International)

2. HAZARDOUS IDENTIFICATION

Signal Word **DANGER**

Classification	Hazard Category
Skin - Corrosion/Irritation	1A
Serious Eye - Damage/Irritation	2B
Acute Toxicity - Oral	4
Acute Toxicity - Dermal	5
Specific Target Organ Toxicity - Single Exposure	3

Health Hazard Statement(s)

H302 – Harmful if swallowed
 H313 – May be harmful in contact with skin
 H314 – Causes severe skin burns and eye damage

Physical Hazard Statement(s)

H227 – Combustible Liquid
 H401 – Toxic to aquatic life

Hazard Pictogram(s)



Hazard Ratings	HMIS	NFPA
Health	2	2
Flammability	2	2
Reactivity	0	0
PPE	X	

Precautionary Statement(s)

P102 – Keep out of the reach of children
 P233 – Keep container tightly closed
 P262 – Do not get in eyes, on skin, or on clothing
 P264 – Wash thoroughly after handling
 P280 – Wear gloves, protective clothing, eye and face protection

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P330+P331 – If SWALLOWED: Rinse mouth. DO NOT induce vomiting.

P303+P361+P353 – IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P309+P311 – IF exposed you feel unwell: Call a POISON CENTER or doctor/physician immediately.

Potential Health Effects

Skin Contact Danger: Corrosive: May cause severe irritation, and possibly burns

Eye Contact Danger: Corrosive: May cause severe irritation, and possibly irreversible eye damage

Inhalation May cause irritation

Ingestion May cause irritation, pain, burns, vomiting, nausea, and diarrhea

3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Isopropanol	67-63-0	8.65
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	1
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	1
Nonylphenol ethoxylate	9016-45-9	4.5
Pine Oil (Terpene Alcohols)	8002-09-3	4.1

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

General Advice If you feel unwell, seek medical advice (show label where possible).

Eye Contact Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If easy to do, remove contact lens after the first 2 minutes. Get medical attention immediately.

Skin Contact Immediately flush with water. Remove all contaminated clothing and continue flushing with water. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing before reuse. If irritation persists, seek medical attention.

Inhalation Move exposed person to fresh air. If irritation persists, seek medical attention.

Ingestion Never give anything by mouth to an unconscious person or convulsive person. Do NOT induce vomiting. Drink several glasses of water. Get medical attention immediately.

Most important symptoms and effects

Harmful if ingested in large quantities. Large doses may be fatal.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemicals, foam, carbon dioxide, water, fog

Unsuitable Extinguishing Media: Not available

Specific Hazards Arising from the Chemical

None

Protective equipment and precautions for firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA) with a full face piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear appropriate personal protective equipment (PPE). Avoid contact with skin and eyes. Ventilate closed spaces before entering. Use clean, non-sparking tools to collect absorbed material.

Environmental precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and clean up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean up Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then scoop up material and place in a suitable container. Do not flush to sewer or allow to enter waterways.

7. HANDLING AND STORAGE

Precautions for safe handling

Keep this product from heat, sparks, or open flame. Avoid contact with skin and eyes. Wash thoroughly after handling. Wash hands before eating, drinking, smoking, or using toilet facilities. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Conditions for safe storage, including any incompatibilities

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Keep the container tightly closed and in a cool, well-ventilated place. This material can accumulate static charge which may cause spark and become an ignition source.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH, TLV	OSHA, PEL	Carcinogen
Isopropanol	N/A	N/A	N/A
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	N/A	N/A	N/A
Alkyl dimethyl benzyl ammonium chloride (C12-18)	N/A	N/A	N/A
Nonylphenol ethoxylate	N/A	N/A	N/A
Pine Oil (Terpene Alcohols)	N/A	N/A	N/A

Appropriate engineering controls

Engineering Controls Use only in well-ventilated areas. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses or chemical goggles. Faceshield to guard against splashing.

Skin and Body Protection PVC, rubber, or neoprene gloves and sleeves.

Respiratory Protection Not needed under normal and intended conditions of product use.

General Hygiene Considerations Wear protective clothing to guard against splashing, including boots and apron made from PVC or neoprene. Maintain eye wash fountain and quick drench safety shower in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Liquid	Odor	Pine
Color	Clear	Odor Threshold	Not Determined

Property	Values	Remarks - Method
pH	6.5-7.5	
Melting Point/Freezing Point	Not Available	
Boiling Point/Boiling Range	100 ° C (212° F)	
Flash Point	36.1° C (97° F)	
Evaporation Rate	Estimated slower than Ethyl Ether	Ethyl Ether= 1
Flammability (Solid, Gas)	Flammable	
Upper Flammability Limits	Not Determined	
Lower Flammability Limits	Not Determined	
Vapor Pressure	Not Available	
Vapor Density	Estimated lighter than Air	Air= 1
Specific Gravity	0.988 g/mL	
Water Solubility	Complete	
Solubility in other solvents	Not Available	
Partition Coefficient	Not Available	
Auto-ignition Temperature	Not Available	
Decomposition Temperature	Not Available	
Kinematic Viscosity	Not Available	
Dynamic Viscosity	Not Available	
Explosive Properties	Not Available	
Oxidizing Properties	Not Available	

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical Stability	The product is stable.
Conditions to Avoid	Excessive heat and incompatibles.
Incompatible materials	Strong oxidizers.
Hazardous Decomposition Products	May yield oxides of nitrogen and ammonia.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity Not listed as carcinogenic according to IARC, NTP, or OSHA.

Isopropanol 67-63-0

ACGIH- Occupational exposure Limits- Carcinogens
IARC- Group 1 (Carcinogenic to Humans)

NIOSH- Selected LD50s and LC50s

A4- Not Classifiable as a Human Carcinogen
Supplement 7, 1987

Inhalation LC 50 Rat: 16000 mg/kg/8H; Oral LD50
Rat: 5045 mg/kg Oral LD50 Mouse: 3600 mg/kg;
Dermal LD50 Rabbit: 12800 mg/kg

Pine Oil 8002-09-3

NIOSH- Selected LD50s and LC50s

Oral LD50 Mouse: 3600 mg/kg; Dermal LD50
Rabbit: 12800 mg/kg

12. ECOLOGICAL INFORMATION

Ectotoxicity (Aquatic and Terrestrial)

This product is toxic to fish and may cause long-term adverse effects in the aquatic environment in containers greater than 1 gallon. Product is BIODEGRADABLE.

13. DISPOSAL CONSIDERATIONS

Container Disposal

Do not reuse empty container. Triple rinse empty container with water. Containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. Offer for recycling if available.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional Office for guidance.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT I.D. Number	UN 1903
DOT Proper Shipping Name	Disinfectants, Liquid, Corrosive, NOS (Quaternary Ammonium Compounds)
DOT Hazard Classes:	
US DOT	8
Road (ADR)	Not Available
Air (ICAO/IMDG)	Not Available
Sea (IMO/IMDG)	Not Available
Packing Group	III
DOT Label	Corrosive

15. REGULATORY INFORMATION

U.S. Federal Regulations

Contents of this SDS comply with OSHA Hazard Communication Standard CFR 1910.1200.

OSHA Hazard Communication Standard (26 CFR 1910.1200)

(X) Hazardous () Non- Hazardous

SARA TITLE III

Section 302/304 Extremely Hazardous Substances: None

Section 311/312 (40CFR370) Hazardous Categories:
 () None (X) Acute () Chronic () Fire () Pressure () Reactive

Section 313 Contains the following SARA 313 Toxic Release Chemicals: Emission reporting

CERCLA

CERCLA Regulatory Not Applicable

TSCA

Chemical Name	CAS Number	Weight (%)
Isopropanol	67-63-0	8.65
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	1
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	1

State Regulations**California Prop 65**

This product may contain the following ingredient(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Ethylene Oxide (CAS RN: 75-21-8).

Inventories

This product is considered a pesticide, and is therefore excluded from the United States TSCA regulations. There is no calculable reportable quantity (RQ) for this product.

16. OTHER INFORMATION

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 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.

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