



MATERIAL SAFETY DATA SHEET



Revision Date:6/28/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ND 362 HAND CLEANER

Use of the Substance/Preparation: CLEANER

Supplier:

ND Industries, Inc.
1893 Barrett Road
Troy, Michigan 48084
Tel: (248) 288-0000
Fax: 248) 288-0022

Emergency Telephone Number: 24 hr. EMERGENCY CHEMTREC
1-800-424-9300

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Avoid contact with skin and eyes. May cause sensitization by skin contact. May cause respiratory irritation.
CAUTION:

Principle Routes of Exposure: Skin and eyes.

POTENTIAL HEALTH EFFECTS:

Eye Contact: Causes eye irritation characterized by excessive tearing, redness, and blinking.

Skin Contact: Causes moderate skin irritation, such as a rash, redness, swelling and blistering, and possible allergic skin reaction.

Inhalation: Vapors generated at elevated temperatures may cause respiratory tract irritation.

Ingestion: Not expected to be a route of entry under normal industrial use conditions. May cause irritation of the gastrointestinal tract.

Carcinogenic Effects: No data available.

Target Organ Effects: No data available.

Medical Conditions Aggravated by Exposure: Skin conditions or diseases.

Potential Environmental Effects: None known



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Limonene, D	5989-27-5	5-10

4. FIRST AID MEASURES

Skin contact: Wash skin with water

Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Inhalation: Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

Ingestion: Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. Seek medical advice.

5. FIRE-FIGHTING MEASURES

Hazardous combustion products: Not applicable

Extinguishing media: All common extinguishing agents are suitable.

Fire-fighting method: In case of fire, keep containers cool with water spray

Notice and measures for firing fighting: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

6. ACCIDENTAL RELEASE MEASURES

Emergency measures: Do not empty into drains / surface water / ground water.

Clean-up methods: For small spills wipe up with paper towel and place in container for disposal.

7. HANDLING AND STORAGE

Notice for handling: No particular measures required.

Notice for storage: Store in a cool, well-ventilated place.

Temp. limits storage/ transportation: Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS



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Exposure limits for those components with limits are stated below.

None

ENGINEERING CONTROLS

General ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:

Not necessary under normal use conditions.

Hand Protection:

Wear appropriate chemical resistant gloves such as rubber or vinyl.

Eye Protection:

Use NIOSH approved safety glasses. If eye contact due to splash hazard exists during use, wear chemical splash goggles.

Skin and Body Protection:

Wear impervious clothing to prevent contact with skin.

Other:

Wash hands after using and before eating, drinking, smoking, or using the lavatory.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White liquid
Odor:	Mild
pH	5-8
Vapor Pressure:	Not determined
Boiling Point/Range:	>100° C
Melting Point/Range:	Not determined
Water Solubility:	Miscible
Specific Gravity:	1.30
VOC Content:	Not determined
Evaporation Rate:	Not determined
Viscosity:	100, 000-300, 000
Partition Coefficient (n-octanol/water):	Not determined

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions of storage and use.

Conditions to avoid:

Stable under normal conditions of storage and use.



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Incompatible products: Reaction with strong oxidants
Decomposition products: No decomposition if used according to specifications.
Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral LD50: Not determined
Inhalation LC50: Not determined
Dermal LC50: Not determined
Eye Irritation: Irritating
Skin Irritation: Not determined

SUBCHRONIC TOXICITY

Not determined

CHRONIC TOXICITY

No known chronic effects.

Carcinogenic

Effects: No data on product itself.
Mutagenic Effects: No data on product itself.
Reproductive Toxicity: No data on product itself.
Sensitizing Effects: Possible sensitization by skin contact.
Synergistic Materials: Not determined

12. ECOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products.

Aquatic Toxicity: Not determined

ENVIRONMENTAL FATE

Mobility: No data available.
Bioaccumulation: No data available.
Persistence / Degradability: No data available.
Distribution to Environmental Compartments: No data available.



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13. DISPOSAL CONSIDERATIONS

Product disposal: Dispose of in accordance with local and national regulations.
Disposal of uncleaned packages: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

DOT shipping: Not regulated.

15. REGULATORY INFORMATION

U. S. Federal Regulations
TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification: None above reporting de minimus
CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372). Styrene (CAS# 100-42-5).
California Proposition 65: This product contains a chemical known in the State of California to cause cancer.
Canada Regulatory Information
CEPA DSL/NDSL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
WHMIS hazard class: D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections:
New Material Safety Data Sheet format. 3, 15
Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

Prepared by: ND Industries, Inc. – Safety, Health and Environmental Affaires
Revision Date: 6/28/2012
Previous Revision Date: 10/20/2008
Reasons for Revision: Add VOC content.



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