



CLEAN SAFE

Clean Safe is a non-flammable, water based, all purpose cleaner. This product is designed to be safer for the environment and uses technology based on terpenes that are naturally occurring solvents. This product was originally designed for the printing industry to replace hazardous cleaning solvents and now its applications have spread to a variety of industries. **Clean Safe** removes tar, asphalt, glues, gum, and many soils.

FEATURES & BENEFITS

- **ENVIRONMENTALLY FRIENDLY**
Technology based on biodegradable and naturally occurring solvents
- **NON-FLAMMABLE**
Water-base formulation
- **VERSATILE**
Removes ink, grease, gum, glue, tar and asphalt
- **POWERFUL CLEANING ACTION**
Cuts grease and similar soils better than most petroleum based solvents



DIRECTIONS

Concrete and Shop Floors: Depending on amount of soil, apply undiluted product or diluted with water up to 1:20 to soiled area. Scrub as necessary with brush or floor machine. Rinse thoroughly. Pick up with a mop and wringer or wet pick-up vacuum.

Greasy Equipment and Parts: Brush, wipe or spray undiluted product on soiled areas, agitate as necessary. Rinse thoroughly with water, preferably high pressure or steam.

Rubber Marks, Tar and Asphalt: Wipe or spray undiluted product onto asphalt or tar spots. Scrub as necessary. Rinse thoroughly with water.

Printing Industry: See your Ver-tech Labs sales representative for application instructions.

NOTE: Clean Safe may damage plastic, rubber, and/or painted surfaces. Test on an inconspicuous area before general use.

NOTE: See reverse side for MSDS information and General Cautions for Use

Visit our website at www.ver-techlabs.com

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Clean Safe (CLE100)
Product Class: Water-based cleaner press wash
Emergency Telephone Number: 800-535-5053 (INFOTRAC)
Telephone Number for Information: 763-509-7937
Manufactured by:
Ver-tech Labs
6801 Bleck Drive
Rockford MN 55373

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)
A	Paraffinic Naphthenic solvent CAS #64742-47-8
B	Surfactant Blend
C	D-Limonene CAS #5989-27-5
D	2-butoxy ethanol CAS #111-76-2
F	Water CAS #7732-18-5

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Amber liquid, mild odor.

Primary Hazards: Irritant

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X

Eye: May cause irritation.

Skin: May cause irritation

Ingestion: May be harmful if swallowed.

Inhalation: Overexposure to vapors may cause drowsiness, headaches, nausea, and dizziness.

Signs and Symptoms of Exposure: Irritation on direct contact. Symptoms may be delayed.

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No

Target Organ (s): Liver, kidneys, lymphoid system, eyes, skin, and respiratory system.

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: Overexposure to 2-butoxy ethanol may cause damage to one or more of target organs listed. Repeated skin contact may cause sensitization.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

If Swallowed: Do not induce vomiting. Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. **Eye Contact:** Flush eyes with running water for at least 15 minutes. Obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.

Sources Used: Raw material data, general toxicology from the trade for similar products.

SECTION V - FIRE FIGHTING MEASURES

Flammability: N. Ap. **Autoignition Temperature:** N. Ap.

Flash Point (method used): > 210 F

Flammable Limits: N. Ap.

LEL

UEL

Extinguishing Media

Water?	Foam	X	Water Fog	X
Alcohol Foam?	CO ₂	X	Dry Chemical	X
Vaporizing Liquid?	Other?			

Special Fire Fighting Procedures: N. Ap.

Unusual Fire and Explosion Hazards: N. Av.

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled:

Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.

SECTION VII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storing:

Normal care in handling and storage.

Other Precautions: Keep out of reach of children. Keep from freezing.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): A NIOSH respirator is recommended when spraying product if ventilation is insufficient.

Ventilation: Local Exhaust: Not required

Special: Not required

Mechanical (General): Normal good ventilation sufficient. **Other:** Not required

Protective Gloves: Natural rubber or synthetic.

Eye Protection: Approved safety goggles or glasses. **Footwear:** Not required

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Approximately 212°F

pH: 8 - 10

Specific Gravity (H₂O) = 1: .91 - .96

% Volatile: 60 - 100

Vapor Density (Air = 1): 4 - 6

Odor Threshold: N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av.

Oil/Water Distribution

Solubility in Water: Complete

Coefficient: N. Av.

Vapor Pressure (MM HG): Approx. 2mm/hg/@ 72f

Melting Point: N. Ap.

SECTION X - STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions to Avoid: N. Ap.

Incompatibility (materials to avoid): Strong oxidizing agents and acids

Hazardous Decomposition or By-products: Carbon dioxide, Carbon monoxide

Hazardous Polymerization: May occur: Will not occur: X

Conditions to Avoid: N. Ap.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Ap.	N. Ap.	N. Av.	39900mg/kg (rat oral)	>24.1mg/l (rat 1h)
B	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
C	N. Ap.	N. Ap.	N. Av.	5g/kg (Oral,rat)	N. Av.
D	50 ppm(skin)	20 ppm(skin)	N. Av.	1.48 g/kg (rat)	N. Av.
E	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: No

Toxicologically Synergistic Products: N. Av.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information: N. Av.

Chemical Fate Information: N. Av.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.

RCRA Hazard Class: N. Ap.

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Cleaning Compound NOI

UN Number: N. Ap.

Packing Group: N. Ap.

SECTION XV - PREPARATION DATA

Prepared By: Health and Safety Department

Telephone Number: 763-509-7937

Date: 10-11-2007

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: N. Av.

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate, chronic health hazard

Section 313 Toxic Chemicals: 2-butoxy ethanol (glycol ether)

SECTION XVII - OTHER INFORMATION

NOTICE State of California

Warning: This product may contain chemicals know to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacturing of this product.

N. Ap. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

1 A. Health Hazard 1 A. Fire Hazard 0 A. Reactivity Hazard

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