

BIG HOUSE

PRODUCTS

Correctional Industries

"Teaching Inmates to Work in Pennsylvania"

Department of Corrections
Bureau of Correctional Industries
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MATERIAL SAFETY DATA SHEET

ISSUE DATE: 12/1/02

SECTION I	
EMERGENCY TELEPHONE NUMBER(S) (814) 643-2400 Ext. #204	
IDENTITY Bio-Citrus Waterless Hand Cleaner	
INGREDIENTS/CHEMICAL NAME D-Limonene, Emulsifiers, Lanolin, Surfactant (N-95), Water, Dye	
OTHER	

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION					
HAZARDOUS INGREDIENTS AS DEFINED BY OSHA 29 CFA 1910 1200					
CHEMICAL NAME	COMMON NAME	CAS NO.	ACGIH TLV	OSHA PEL	OTHER LIMITS RECOMMENDED
d-Limonene	Orange Terpenes	5789-27-5		None Established	
d-Limonene is GRAS (Generally Recognized As Safe) by the USDA.					

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS			
BOILING POINT (°F)	310° F Initial BP	SPECIFIC GRAVITY (H ₂ O = 1)	0.95
VAPOR PRESSURE (mm Hg)	2 mm. Hg.	PERCENT VOLATILE BY VOLUME (%)	80%
VAPOR DENSITY (AIR = 1)	N.K.	EVAPORATION RATE (nBuOAc = 1)	N.K.
SOLUBILITY IN WATER	Complete	APPEARANCE CODE	Thick Amber Paste

SECTION IV – FLAMMABILITY AND REACTIVITY			
FLASH POINT (METHOD USED) Greater than 115° F. TCC	EXPLOSIVE LIMITS	LEL 0.7%	UEL 6.1%
EXTINGUISHING MEDIA Water, Fog, Foam, Dry Chemical or CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES Do not use a direct stream of water. Product will float and can be re-ignited on surface of water.			
UNUSUAL FIRE HAZARDS			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Open Flame
INCOMPATIBILITY (Materials to avoid) Strong Oxidizers			
HAZARDOUS DECOMPOSITION/BY PRODUCTS Carbon Monoxide			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION V – HEALTH AND SAFETY DATA

ROUTE(S) OF ENTRY
Skin, Eyes, Mouth, Nose

HEALTH HAZARDS (ACUTE AND CHRONIC)
Product is harmful if swallowed. Ingestion may cause vomiting, headache and irritation to skin and eyes.

SIGNS AND SYMPTOMS OF EXPOSURE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
None Known.

EMERGENCY AND FIRST AID PROCEDURES
Ingestion – Do not induce vomiting. Rinse mouth with water. Drink one glass of water.

Eyes – Remove contact lenses immediately. Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

OTHER
Skin – Dryness to skin possible with prolonged contact.

SECTION VI – PRECAUTION FOR SAFE HANDLING AND USE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Avoid contact with eyes

OTHER PRECAUTIONS

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Wipe up small spills. Large spills should be absorbed by dirt or sand.

WASTE DISPOSAL METHOD
Dispose of in accordance with Federal, State and Local regulations.

SECTION VII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION	LOCAL EXHAUST Yes	SPECIAL
	MECHANICAL (General)	OTHER

EYE PROTECTION

PROTECTIVE GLOVES

OTHER PROTECTIVE EQUIPMENT

- N.A. – NOT APPLICABLE
- N.K. – NOT KNOWN

THE SUBMISSION OF THIS MSDS MAY BE REQUIRED BY LAW. BUT THIS IS NOT AN ASSERTION THAT THE SUBSTANCE IS HAZARDOUS WHEN USED IN ACCORDANCE WITH PROPER SAFETY PRACTICES AND NORMAL HANDLING PROCEDURES. DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH.