

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
NFPA Rating: Health-1; Flammability-2; Reactivity-0; Special-0 Manufacturer's Name: BRODY CHEMICAL Address: 4825 S. 6200 W. SLC, UT. 84118			HMIS Rating: Health-1; Flammability-2; Reactivity-0; Personal Protection-B DOT Hazard Classification: NON-HAZARDOUS Identity (trade name as used on label): HAND CLEANER (CITRUS/SEMI)			
Date Prepared: 6-18-01 Prepared By: RW Information Calls: (801) 963-2436 EMERGENCY RESPONSE NUMBER: 1-800-424-9300		MSDS Number: 1040 Revision: 13 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA				
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	Approx. % wt.	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
MONOCYCLIC TERPENE		5989-27-5	40	N/E	N/E	D
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 212 F			Specific Gravity (H₂O=1): .9			
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A			Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): 14.3 mmHg			
Vapor Density (Air = 1): .79			Evaporation Rate (H₂O = 1): < 1			
Solubility in Water: DISPERSIBLE			Water Reactive: NO			
Appearance and Odor: THICK ORANGE GEL WITH CITRUS ODOR.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A		Auto Ignition Temperature N/D	Flammability Limits in Air by % in Volume: % LEL: N/D % UEL: N/D			
FLASH POINT AND METHOD USED (non-aerosols): > 180 F. (TCC) SPECIAL FIRE FIGHTING PROCEDURES: WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.		EXTINGUISHER MEDIA: WATER FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE.				
Unusual Fire & Explosion Hazards: NONE.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
Incompatibility (Mat. to avoid): AVOID CONTACT WITH ALUMINUM SURFACES.			Conditions to Avoid: NOT KNOWN.			
Hazardous Decomposition Products: SEE SECTION 3.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS: NONE KNOWN.						
Inhalation: INHALATION OF SPRAY OR MIST IS SLIGHTLY IRRITATING TO RESPIRATORY TRACT AND MUCOUS MEMBRANES. PROLONGED CONTACT MAY RESULT IN TISSUE DAMAGE OR DESTRUCTION.						
Eye Contact: SLIGHTLY IRRITATING. MAY RESULT IN TISSUE DAMAGE.			Skin Contact: SLIGHTLY IRRITATING. PROLONGED CONTACT MAY RESULT IN SKIN IRRITATING.			
Ingestion: SLIGHTLY IRRITATING. PROLONGED CONTACT MAY RESULT IN TISSUE DAMAGE.						
CHRONIC EFFECTS: NONE KNOWN.						
Medical Conditions Generally Aggravated by Exposure: ANY IRRITATED TISSUE PRESENT MAY BE FURTHER IRRITATED BY EXPOSURE.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: IRRIGATE WITH CLEAR WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.						
Skin Contact: WASH OFF AND RINSE THOROUGHLY WITH CLEAR WATER.						
Inhalation: REMOVE TO FRESH AIR. IR IRRITATION PERSISTS OR OTHER RESPIRATORY SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.						
Ingestion: DO NOT INDUCE VOMITING. DRINK A SOLUTION OF VINEGAR AND WATER FOLLOWED BY CLEAR WATER. GET MEDICAL ATTENTION.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): NONE REQUIRED.						
Protective Gloves: NONE REQUIRED.			Eye Protection: NONE REQUIRED.			
Ventilation Requirements: NONE REQUIRED.						
Other Protective Clothing & Equipment: NONE REQUIRED.						
Hygienic Work Practices: RINSE WITH WATER BEFORE EATING, DRINKING OR USING RESTROOM.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: DO NOT DRAIN INTO SEWERS OR SURFACE WATERS. SOAK UP IN ABSORBENT MATERIAL AND SEAL IN PROPERLY LABELED NON-LEAKING CONTAINERS FOR PROPER AUTHORIZED HAZARDOUS WASTE DISPOSAL.						
Waste Disposal Methods: DISPOSE OF IN AUTHORIZED HAZARDOUS WASTE DISPOSAL FACILITY IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.						
Precautions To Be Taken In Handling & Storage: STORE IN ORIGINAL SHIPPING CONTAINER. KEEP CONTAINER SEALED WHEN NOT IN USE. PROTECT FROM FREEZING.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only