

MATERIAL SAFETY DATA SHEET
EXTRACTION CONCENTRATE

PALMER COMPANY
1201 SENTRY DRIVE
WAUKESHA, WI 53186

Phone:
INQUIRY- (414) 547-2246
EMERGENCY- (414) 547-2246

HAZARD RATINGS	
HEALTH	2 0=Least 1=Slight 2=Moderate 3=High 4=Extreme
FLAMMABILITY	1
REACTIVITY	1

IDENTITY: (As used on label and list)

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SECTION I

MANUFACTURER'S NAME: PALMER COMPANY

1201 SENTRY DRIVE
WAUKESHA, WI 53186

EMERGENCY PHONE NUMBER: (414) 547-2246
PHONE NUMBER FOR INFORMATION: (414) 547-2246

DATE PREPARED: JAN. 2, 1990

NAME OF PREPARER: GENE HUNT

SECTION II HAZARDOUS INGREDIENTS/INFORMATION

HAZARDOUS COMPONENTS

	OSHA	ACGIH	OTHER	or	OS
	PEL	TLV	STEL	ORANGE	BOOK
ISOPROPRANOL	CASE 67-63-0 400ppm	400ppm	500 ppm	< 5	0
2-BUTOXYETHANOL	CAS 6 111-76-2 25 PPM	25 PPM	25 PPM	< 8	0*
Mentha-1,8-diene	CASE 5989-27-5 NOT EST	NOT EST		< 5	0*

NOTE: AN '*' UNDER 'SK' (SKIN) INDICATES THAT OSHA REQUIRES SKIN PROTECTION TO PREVENT OR REDUCE EXPOSURE TO THIS INGREDIENT. ISOPROPRANOL AND 2-BUTOXYETHANOL ARE HARA TITLE III, SECTION 313 SUBSTANCES AND MAY REQUIERE RPORTING BY MANUFACTURERS.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point 212 F Specific Gravity (H2O=1) 1.040
Vapor Pressura (mm Hg) 19 Melting Point < 0 F
Vapor Density (Air=1) 2.4 Evaporation Rate (Butyl Acetate=1) 18.0

Solubility in Water: Complete
Appearance and odor: Clear - YELLOW liquid with pleasant odor.

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NONE Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Media: N/A.
Special Fire Fighting Procedures: Do not enter confined fire space without proper protective equipment including a NIOSH approved self contained breathing apparatus.

Unusual Fire and Explosion Hazards: None.

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SECTION V- REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Oxidizers or strong acids
Hazardous Decomposition or Byproducts: Heat, carbon dioxide, carbon monoxide
Hazardous Polymerization: Will Not Occur

SECTION VI- HEALTH HAZARD DATA

Route(s) of Entry:
Inhalation? IRRITATING IN STRONG CONCENTRATIONS.
Skin? IRRITATING. MAY BE ABSORBED IN TOXIC AMOUNTS.
Ingestion? TOXIC BY INGESTION.
Eyes? IRRITATING TO EYES.
Health Hazards (Acute and Chronic): NONE KNOWN.
Carcinogenicity:
NTP? Ingredients not listed.
IARC Monographs? Ingredients not listed.
OSHA Regulated? Ingredients not listed.
Signs and Symptoms of Exposure:
SKIN and EYES: Severe irritant to eyes.
INHALATION: Irritation and difficulty in breathing
INGESTION: Gastric pain and vomiting.
Medical Conditions Generally Aggravated by Exposure: Unknown
Emergency and First Aid Procedures:
SKIN CONTACT: Rinse skin with clear water. Apply skin cream
EYE CONTACT: Immediately flush eyes for 15 minutes in clear running
water. GET MEDICAL ATTENTION IMMEDIATELY.
INHALATION: Remove to fresh air. If breathing has not returned to
normal within a few minutes, GET MEDICAL ATTENTION.
INGESTION: Immediately drink large quantities of milk, egg whites,
gelatin solutions; if these are not available, drink
large quantities of water. Avoid alcohol! GET MEDICAL
ATTENTION IMMEDIATELY.

SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:
SMALL SPILLS: Dilute with water and flush to sanitary sewer.
LARGE SPILLS: DIKE AND ABSORB ON INERT ABSORBANT AND PLACE IN SEALABLE
CONTAINER FOR DISPOSAL.
Waste Disposal Method:
Consign waste to Federal, State, and locally approved hazardous waste disposal
facilities for incineration.
Precautions to Be Taken in Handling and Storing: Do not freeze. Keep container
closed when not in use. Follow label instructions.
Other Precautions: Keep this and all chemicals out of reach of children.

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SECTION VIII- Control Measures

Respiratory Protection (Specify Type): FOR EXPOSURE ABOVE ESTABLISHED LIMITS
(SEE SECTION II) USE NIOSH/MSMA APPROVED DUST/MIST MASK.

Ventilation: Mechanical (General): Recommended.

Protective Gloves: Rubber or neoprene.

Eye Protection: Chemical goggles with side shields.

Other Protective Clothing or Equipment: Drenching safety shower and eye wash station.

Work/Hygienic Practices: Avoid contaminating clothing. Always use impervious gloves to prevent excessive skin contact.

SECTION IX - Additional Information

ENVIRONMENTAL

BIODEGRADABILITY: BIODEGRADABLE.

WASTE DISPOSAL METHODS: DISPOSE OF IN AN AUTHORIZED WASTE FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

ADDITIONAL INFORMATION

EMPTY CONTAINER HANDLING: WARNING! EMPTIED CONTAINER RETAINS PRODUCT RESIDUE AND VAPORS. OBSERVE ALL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED. WASHING WILL NOT MAKE CONTAINER SAFE FOR FOOD OR COSMETIC STORAGE. KEEP EMPTY CONTAINER CLOSED TIGHTLY.

RCRA TITLE III REPORTING REQUIREMENTS

SECTION 302- EXTREMELY HAZARDOUS SUBSTANCES	REPORTING NOT REQUIRED
SECTION 304- HAZARDOUS RELEASES	REPORTING NOT REQUIRED
SECTION 311- COMMUNITY RIGHT TO KNOW (R-T-K)	REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.
SECTION 312- R-T-K INVENTORY DATA	REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.
SECTION 313- EMISSIONS AND RELEASE	REPORTING MAY BE REQUIRED FOR USERS IN MANUFACTURING SECTOR.
CERCLA	SAME AS SECTION 304

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REFERENCES

TOXIC SUBSTANCE CONTROL ACT LIST (TSCA) - INGREDIENTS LISTED.

PERMISSIBLE EXPOSURE REFERENCES:

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
TITLE 29 CODE OF FEDERAL REGULATIONS
NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS
INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS

REGULATORY STANDARDS:

DOT TITLE 49 CODE OF FEDERAL REGULATIONS 172.101
SARA TITLE III

THE INFORMATION CONTAINED HEREIN is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.