

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: PALU

MANUFACTURER:

Acorn Biotechnical Corporation

DATE PREPARED: 03.01.02

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HAZARDOUS INGREDIENTS	C.A.S. #	OSHA PEL/TLV	ACGIH TLV	STEL	OTHER LIMITS
Isopropanol 1%	67-63-0	980 mg/m <sup>3</sup>	980 mg/m <sup>3</sup>	1225 mg/m <sup>3</sup>	N/A

HEALTH - 1

FIRE - 0

REACTIVITY - 0

SPECIFIC HAZARD - None

BOILING POINT - > 212°F.

FLASH POINT - N/D

METHOD USED -

SPECIFIC GRAVITY - 1.09

EVAPORATION RATE (WATER = 1) - 1

% VOLATILE - 1.0

PHYSICAL DESCRIPTION - Brown, slightly turbid, mobile liquid with a typical odor

FLAMMABLE LIMITS: LEL - N/D

UEL - N/D

EXTINGUISHING MEDIA: Water fog, dry chemical foam, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURE: Firefighters should wear a self-contained breathing apparatus as in all chemical fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

UNSTABLE -

STABLE - X

HAZARDOUS DECOMPOSITION PRODUCTS: May produce oxides of carbon and nitrogen.

CONDITION TO AVOID: Elevated temperatures

MATERIALS TO AVOID: Strong acids and bases, oxidizing agents

HAZARDOUS POLYMERIZATION: Will not occur.

POSSIBLE ROUTES OF ENTRY:

INHALATION - Yes

INGESTION - Yes

SKIN - No

ACUTE HEALTH HAZARD: Irritation to mucous membranes

CHRONIC HEALTH HAZARD: Repeated exposure may lead to allergic sensitization.

CARCINOGENICITY: NTP - No

IARC MONOGRAPHS - No

OSHA REGULATED - No

ORAL LD/50 - N/D

DERMAL IRRITATION - Slight

EYE IRRITATION - Moderate

SYMPTOMS OF OVEREXPOSURE

EYE - Irritation

SKIN - Irritation

INHALATION - Irritation. Repeated inhalation of aerosols may produce allergic sensitization.

INGESTION - May produce gastric distress.

CONDITIONS AGGRAVATED BY EXPOSURE - Possible increase in the incidence of allergic asthma

FIRST AID

SKIN: Flush area with a large amount of water. Remove contaminated clothing and do not re-wear until laundered.

EYES: Flush eye with water for 15 minutes. If irritation persists, see a doctor.

INHALATION: Avoid producing aerosols. If an aerosol is produced leave area until mist has settled. If chronic irritation is suspected, see a doctor.

INGESTION: Drink large quantity of water or milk. DO NOT INDUCE VOMITING. If distress or irritation persists, see a doctor.

SPILL SAFETY: Stop leak. Dilute material with water.

DISPOSAL INFORMATION: Flush diluted material to sewer.

STORAGE AND HANDLING: Store in a cool place.



PERSONAL HYGIENE: Wash all exposed surfaces with soap and water. Do not allow material to contact open wounds. If such contact occurs, wash with soap and water and apply a superficial disinfectant.

PROTECTION - None required TYPE - N/A

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VENTILATION:

GENERAL MECHANICAL - X

LOCAL -

SPECIAL -

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PROTECTIVE EQUIPMENT REQUIRED:

RUBBER GLOVES -

RUBBER APRON -

RUBBER BOOTS -

CHEMICAL SPLASH GOGGLES -

FACE SHIELD -

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SHIPPING INFORMATION:

DOT LABEL - None required

U.N. NUMBER -

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SPECIAL INFORMATION:

N/A = NOT APPLICABLE

N/K = NOT KNOWN

N/D = NOT DONE

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OTHER COMMENTS

SARA TITLE REPORTING REQUIREMENTS

Section 302,304

Section 311,312

Section 313

CERCLA

Reporting not required

Reporting not required for inventory above TPQ

Reporting may be required for manufacturing use

Same as section 304

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