

MATERIAL SAFETY DATA SHEET

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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: PURINEL

Manufactured By: Technical Concepts
Address: 1301 Allanson Road
Mundelein, IL. 60060

Phone 847-837-4100

24-Hour Emergency Contact
1-800-535-5053 (Infotrac)

SECTION 2 – COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Components greater than 1.0% (0.1% if carcinogen or suspected carcinogen):

COMPONENTS	CAS#	OSHA-PEL	ACGIH	LD ₅₀	LD ₅₀	%BY WT
EDTA	64-02-8	N/A	10mg/m3 TWA	N/A	3030 mg/kg oral, rat	3-4
Sodium Laurimino dipropionate	14960-06-0	N/A	N/A	N/A	31300mg/kg oral, rat	4-6

SECTION 3 – HAZARDOUS IDENTIFICATION

Potential Health Effects:

Route of Entry: Eye: Y Skin: Y Inhalation: Y Ingestion: Y
Health Hazards: May cause eye and skin irritation, harmful if swallowed
Signs/Systems of
Over Exposure: Eye and skin irritant.
Medical Conditions: Under normal conditions this product should not be aggravating.

SECTION 4 - FIRST AID MEASURES

EYE: Immediately flush with water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if the irritation persists.

SKIN: Flush with cool water, wash with soap and water. Obtain medical attention if irritation persists.

INHALATION: If systems develop, move victim to fresh air. If persistent, obtain medical attention.

INGESTION: Do not induce vomiting. Rinse mouth with water then drink one to two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious or is convulsing.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media: Use dry chemicals, CO₂, water spray, or alcohol if resistant to foam.

Fire Fighting Procedure: Wear pressure positive pressure self-contained breathing apparatus (SCBA)

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Restrict access to area, and ventilate area until clean up is complete.

Contained small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering waterways or confined areas. Contact emergency services and suppliers for advice.

SECTION 7 - HANDLING AND STORAGE

Store in a tightly closed/properly vented container, store away from heat/moisture and strong oxidizers

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Gloves: Not required with normal use
Eye Protection: Not required with normal use
Respiratory Protection: not required under normal use with adequate ventilation
Ventilation: adequate ventilation is recommended under anticipated conditions of normal use
Protective equipment: As required by company code

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity 1.29 (tarred cup)
PH: 9.0-9.4@25°C
Solubility: Complete in Water
Appearance/Odor: Clear /slightly fragrant
Flashpoint: 200°F/93.3°C
LEL: N/E
UEL: N/E
Boiling Point: 198°F/92°C
Melting Point: Not applicable

SECTION 10 - STABILITY AND REACTIVITY

This product is considered stable material, under normal anticipated storage and handling conditions.
It is incompatible with oxidizers and acids. Keep away from heat or open flames

SECTION 11 - TOXICOLOGY INFORMATION

This product contains no products that are listed on the listed on the NTP, IRAC, or OSHA carcinogen list.
This product conforms to IFRA guidelines.

SECTION 12 - ECOLOGICAL INFORMATION

This product is expected to be non-hazardous to aquatic species

SECTION 13 - DISPOSAL CONSIDERATIONS

Do not reuse empty containers. Discard empty containers.

SECTION 14 - TRANSPORTATION INFORMATION

STATUS	SHIPPING NAME	CLASS	ID#	Pkg Grp
DOT (USA) IATA (AIR) IMDG (VESSEL)		Not Regulated		

National Motor Freight Classification and LTL class: 57100 sub 3-class 60

SECTION 15- REGULATORY INFORMATION

SARA Hazard Category: This material has been reviewed according to the EPA Hazard Categories under sections 311 and 312 of the superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered to meet the following categories:

SARA 313 Information: This material contains the following substances subject to the reporting requirements of sections 313 of title III of the Superfund Amendment and Reauthorization Act of 1986: None

Substances Control Act (TSCA)- All ingredients are listed on the Chemical Substance inventory exempt.

California Proposition 65-NONE

NFPA HAZARD RATINGS FLAMMABILITY: 1 HEALTH: 1 REACTIVITY: 0

CANADIAN REGULATIONS:

WHMIS INFORMATION: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

D2A – possible, probable, or known human carcinogen according to classifications by IARC or ACGIH

D2B – eye and skin irritant

CPR Statement; This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

Hazardous Product Act Information: This product contains the following ingredients, which are Controlled Products and/or on the ingredient Disclosure list (Canadian HPA section 13 and 14):

Components:	CAS#	Amount %
Tetrasodium salt of ethylenediaminetetraacetic acid	cas# 000064-02-8	37%
Disodium ethylenediaminediacetate	cas# 038011-25-5	1%
Trisodium ethylenediaminetriacetate	cas# 019019-43-3	1%
Trisodium nitrilotriacetate	cas# 005064-31-3	1%
Sodium Hydroxide	cas# 001310-73-2	1%

This product should be reported as: MIXTURE: Y LIQUID: Y

Physical Hazards: FIRE: N REACTIVITY: N

Health Hazards: Immediate: N

SECTION 16- OTHER INFORMATION

Product Sales Information: 1-800-551-5155

MSDS Information: 847-827-4100

MSDS in compliance with ANSI Z400.1- 1988-16- section MSDS format, msds # PUR-060-05

N/A= Not Applicable

N.E. Not Established

MSDS Prepared by: L. Fields

Disclaimer: This information is provided in good faith, but no warranty, expressed or implied is made.

The manufacturer believes it is accurate to the best of its knowledge, and relies only to specific material designated herein.