CONTACT : LEONID CHEMICALS
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Bangalore-560 022, Karnataka, INDIA
Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

DIPICOLINIC ACID

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:
DIPICOLINIC ACID

Formula	:	CuCl2 2H20
Synonyms	:	None
CAS Number	:	499-83-2
Molecular Weight	:	167.12
Chemical Formula	:	C7H5NO4
Product Codes	:	K810

Company Information:
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SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	:	Dipicolinic Acid
CAS No	:	499-83-2
Percent	:	98 - 100 %
Hazardous	:	Yes

SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
WARNING! CAUSES EYE AND SKIN IRRITATION.

Potential Health Effects

Inhalation:
None identified.
Ingestion:
None identified.
Skin Contact:
Irritation.
Eye Contact:
Irritation.
Chronic Exposure:
No information found.
Aggravation of Pre-existing Conditions:
Damaged skin.

SECTION 4- FIRST AID MEASURES

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Prompt action is essential.

Ingestion:
If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use.

Eye Contact:
In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SECTION 5- FIRE FIGHTING MEASURES

Fire:
Not expected to be a fire hazard.

Explosion:
Fire or excessive heat may produce hazardous decomposition products.

Fire Extinguishing Media:
Water spray; Dry chemical; Carbon dioxide.

Special Information:
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Sweep up material and package for safe feed to an incinerator.

SECTION 7 - HANDLING and STORAGE

Avoid contact with strong acids or bases. Keep from contact with oxidizing materials. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Airborne Exposure Limits:
None established.

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a

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full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures:
There is insufficient data in the published literature to assign complete numerical SAF-T-DATA* ratings and laboratory protective equipment for this product. Special precautions must be used in storage, use and handling. Protective equipment for laboratory bench use should be chosen using professional judgment based on the size and type of reaction or test to be conducted and the available ventilation, with overriding consideration to minimize contact with the chemical.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	White crystalline solid.
Odor	:	No information found.
Solubility	:	Slight (0.1-1%)
Specific Gravity	:	No information found.
pH	:	No information found.
% Volatiles by volume @ 21C (70F)	:	0
Boiling Point	:	No information found.
Melting Point	:	248C (478F)
Vapor Density (Air=1)	:	No information found.
Vapor Pressure (mm Hg)	:	0 @ 20C (68F)
Evaporation Rate (BuAc=1)	:	0

SECTION 10 - STABILITY AND REACTIVITY

Stability:
Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:
Carbon dioxide, carbon monoxide, oxides of nitrogen.

Hazardous Polymerization:
Will not occur

Incompatibility(Materials to Avoid):
Strong oxidizing agents, strong acids, strong bases.

Conditions to Avoid:
No information found.

SECTION 11 - TOXICOLOGICAL INFORMATION

NTP Carcinogen:

Ingredient	:	Dipicolinic Acid (499-83-2)
Known	:	No

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Anticipated : No
IARC Category : None

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Fate:
No information found.

Environmental Toxicity:
No information found.

SECTION 13 - DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 - TRANSPORT INFORMATION

Not regulated.

SECTION 15 - REGULATORY INFORMATION

Chemical Inventory Status - Part 1:
Ingredient : Dipicolinic Acid (499-83-2)
TSCA : Yes
EC : Yes
Japan : Yes
Australia : Yes

Chemical Inventory Status - Part 2:
Ingredient : Dipicolinic Acid (499-83-2)
DSLs : Yes
EC : Yes
NDSL : No
Phil. : Yes

Federal, State & International Regulations - Part 1:
Ingredient : Dipicolinic Acid (499-83-2)

SARA 302
RQ : No
TPQ : No

SARA 313
List : No
Chemical Catg. : No

Federal, State & International Regulations - Part 2:
Ingredient : Dipicolinic Acid (499-83-2)

RCRA
CERCLA : No

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TSCA
261.33 : No
8(d) : No

Chemical Weapons Convention : No TSCA 12(b): No CDTA: No
SARA 311/312 : Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity : No (Pure / Solid)

Australian Hazchem Code : No information found
Poison Schedule : No information found
WHMIS
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

SECTION 16 - ADDITIONAL INFORMATION

Label Hazard Warning:
WARNING! CAUSES EYE AND SKIN IRRITATION

Label Precautions:
No SAF-T-DATA Ratings have been developed for this product. Read and follow all warnings, precautions, instructions and other safety and handling information on the label and MSDS.
Avoid contact with eyes, skin, clothing
Avoid breathing dust. Wash thoroughly after handling.

Label First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse

Product Use:
Laboratory Reagent

Revision Information:
MSDS Section(s) changed since last revision of document include: 3, 16

Disclaimer:

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