

MSDS-01
DATE OF UPDATE:01-09-2006

MATERIAL SAFETY DATA SHEET

NIACINAMIDE

1. PRODUCT AND COMPANY INFORMATION	
PRODUCT NAME : NIACINAMIDE (NICOTINAMIDE)	
<u>FACTORY NAME AND ADDRESS</u>	<u>HEAD OFFICE ADDRESS</u>
M/S AGRO COOL INDIA LTD. GHIKARA ROAD, CHARKHI DIST. BHIWANI PIN-127 306 (HARYANA) PH.NO : 01250-221802 FAX NO: 01250-220435 E-mail: contac@agrocoolindia.com	M/S AGRO COOL INDIA LTD. GD-25, PITAM PURA, NEAR MADHUBAN CHOWK, NEW DELHI-110088 PH.NO : 011-32588876 FAX NO : 011-27314088 E-mail : contact@agrocoolindia.com
2. COMPOSITION/INFORMATION ON INGREDIENTS	
PRODUCT NAME : NIACINAMIDE CAS No. : 98-92-0 MOL. FORMULA : C ₆ H ₆ N ₂ O MOL. WT. : 122.1 AMU SYNONYMS : NICOTINAMIDE, NIACINAMIDE, 3-PYRIDINECARBOXAMIDE, 3-PYRIDINECARBOXYLIC ACID AMIDE, NICOTYLAMIDE CATEGORY : VITAMIN-B COMPONENT	
3. HAZARDS IDENTIFICATION	
SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT Irritating to eyes, respiratory system and skin.	
4. FIRST AID MEASURES	
AFTER INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. AFTER SKIN CONTACT: In case of contact, immediately wash skin with soap and copious amounts of water. AFTER EYE CONTACT : In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. AFTER INGESTION: If swallowed, wash out mouth with water provided person is conscious. Call a physician.	

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

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

6. ACCIDENTAL RELEASE MEASURES

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

HANDLING

Directions for Safe Handling: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Conditions of Storage: Keep tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Government approved respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance physical state	:Solid
Color	:White
Form	:Fine crystalline
Property Value At Temperature or Pressure	
pH	:5.5-7.5
BP/BP Range	;N/A
MP/MP Range	:128 ⁰ C TO 131 ⁰ C
Flash Point	:150 ⁰ C METHOD: CLOSED CUP
Flammability	:N/A

Autoignition Temp	:N/A
Oxidizing Properties	:N/A
Explosive Properties	:N/A
Explosion Limits	:N/A
Vapor Pressure	:N/A
SG/Density	:N/A
Partition Coefficient	:N/A
Viscosity	:N/A
Vapor Density	:N/A
Saturated Vapor Conc.	:N/A
Evaporation Rate	:N/A
Bulk Density	:N/A
Decomposition Temp.	:N/A
Solvent Content	:N/A
Water Content	:N/A
Surface Tension	:N/A
Conductivity	:N/A
Miscellaneous Data	N/A :N/A
Solubility	:FREELY SOLUBLE IN WATER AND ETHANOL

10. STABILITY AND REACTIVITY

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide,
Nitrogen oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

RTECS NUMBER: QS3675000

ACUTE TOXICITY

LD50 LD50

Oral Oral

Rat Rat

3500 mg/kg 3500 mg/kg

LD50 LD50

Subcutaneous Subcutaneous

Rat Rat

1680 MG/KG 1680 MG/KG

Remarks: Lungs, Thorax, or Respiration:Other changes. Lungs,
Thorax, or Respiration:Other changes.

LD50 LD50

Oral Oral

Mouse Mouse

2500 mg/kg 2500 mg/kg

SIGNS AND SYMPTOMS OF EXPOSURE

Other symptoms of exposure can include anorexia, excessive salivation, papillary constriction, bronchoconstriction, respiratory failure, tightness of the chest, coma, pulmonary, ureter, and bladder effects. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

ROUTE OF EXPOSURE

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation.

Inhalation: Material is irritating to mucous membranes and upper

respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

13. DISPOSAL CONSIDERATION

SUBSTANCE DISPOSAL

Dissolve or mix the material with a combustible solvent and burn

in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15. REGULATORY INFORMATION

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: Xi

Irritant.

R-PHRASES: 36/37/38

Irritating to eyes, respiratory system and skin.

S-PHRASES: 26 36

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

COUNTRY SPECIFIC INFORMATION

16. OTHER INFORMATION

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

The

information in this document is based on the present state of our

knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

DISCLAIMER

For MANUFACTURING USE ONLY.

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