

Safety Data Sheet**1. IDENTIFICATION OF THE SUBSTANCE**

1.1	Identification of the substance	
	Product name	NIACINAMIDE
	Chemical Name and Synonym	NICOTINAMIDE, NIACINAMIDE, 3- PRYRIDINECARBOXAMIDE,
	CAS Number	98-92-0
	EC Number	N/A
1.2	Use of the Substances	
	Intended use	Manufacture of substances

2. COMPANY IDENTIFICATION**FACTORY NAME AND ADDRESS**

Name	M/S AGRO COOL INDIA LTD.
Full Address District & Company	GHIKARA ROAD, CHARKHI DADRI DIST. BHIWANI PIN-127 306 (HARYANA) PH.NO : 01250-220135, FAX NO: 01250-220135 E-mail: contac@agrocoolindia.com

HEAD OFFICE ADDRESS

M/S AGRO COOL INDIA LTD.
GD-25, PITAM PURA,
NEAR MADHUBAN CHOWK,
NEW DELHI-110034
PH.NO : 011-27017942 ,27318088
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E-mail : contact@agrocoolindia.com

Emergency Phone Numbers	+91 9999464006
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3. HAZARDS IDENTIFICATION

Label elements Labeling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Single

Warning

Hazard statement (s) H302

Harmful if swallowed

Precautionary statement(s)

N/A

Supplemental Hazard Statement (s)

N/A

Safety data sheet available on request.

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)



R-symbol (s)

Harmful if swallowed

R22

S-phrase (s)

N/A

Other hazards

N/A

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4. FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed physical,

To the best of our knowledge, the chemical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical

attention and special treatment needed

N/A

5. FIRE-FIGHTING MEASURES

Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x), Hydrogen chloride gas

Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

N/A

6. ACCEDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage protected from light

Specific end uses

N/A

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance From	White Solid, Fine Crystalline powder
b) Odour	N/A
c) Odour Threshold	N/A
d) pH	6.0 to 7.5
e) melting point/ freeing point	128 ⁰ C TO 131 ⁰ C
f) Initial boiling point and boiling range	N/A
g) Flash Point	150 ⁰ C METHOD: CLOSED CUP

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h) Evaporation rate	N/A
i) Flammability (solid, gas)	N/A
j) Upper/lower flammability or explosive limits	N/A
k) Vapour pressure	N/A
l) Vapour density	N/A
m) Relative density	N/A
n) Water solubility	Freely Soluble
o) Partition coefficient:n-octanol/water	N/A
p) Autoignition Temperature	N/A
q) Decomposition temperature	N/A
r) Viscosity	N/A
s) Explosive properties	N/A
t) Oxidizing properties	N/A
Other safety information	N/A

10. STABILITY AND REACTIVITY

Reactivity	N/A
Chemical stability	N/A
Possibility of hazardous reactions	N/A
Conditions to avoid	Strong Oxidizing Agents
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon monoxide, Carbon dioxide, Nitrogen oxides.

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11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

LD50 Oral - rat - 580 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Tremor. Behavioral:Convulsions or effect on seizure threshold.

Serious eye damage/eye irritation N/A

Respiratory or skin sensitization N/A

Germ cell mutagenicity N/A

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity N/A

Specific target organ toxicity - single exposure N/A

Specific target organ toxicity - repeated exposure N/A



AGRO COOL INDIA LIMITED

NIACINAMIDE

MSDS No. : ACIL/NM/01
Revision No. : 01
Effective Date : December 2013

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Aspiration hazard N/A

Additional Information N/A

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12. ECOLOGICAL INFORMATION

Toxicity	N/A
Persistence and degradability	N/A
Bioaccumulative potential	N/A
Mobility in soil	N/A
Results of PBT and vPvB assessment	N/A
Other adverse effects	N/A

13. DISPOSAL CONSIDERATION

Waste treatment methods Product:

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. 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.

Contaminated packaging

Dispose of as unused product.

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14. TRANSPORT INFORMATION

DOT Classification:	Not a DOT controlled material (United States).
Identification:	Not applicable.
Special Provisions for Transport:	Not applicable.
RID/ADR	Non-hazardous for road transport.
IMDG	Non-hazardous for sea transport.
IATA	Non-hazardous for air transport.

15. REGULATOR INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture.

N/A

Chemical Safety Assessment

N/A

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES INDICATION OF DANGER: Xi

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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

Further information

DISCLAIMER OF LIABILITIES: 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 has been taken from the website of Sigma-Aldrich Inc. The information of this document is applicable to the product with regard to appropriate safety precautions being taken. Agro Cool India Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. Further, Agro Cool India Ltd. shall not be liable for the accuracy of the information presented in this document. This is being submitted as a reference document only.