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SECTION 1: Identification of the substance /mixture

1.1. Product identifier

Product Name	Niacinamide/Nicotinamide
CAS Number	98-92-0
EC Number	202-713-4

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	In pharma, food, feed, and chemical products
Uses advised against	No information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation Category 2 - (H319)

Other hazards that do not result in classification No information known

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 The substance is classified and labelled according to the CLP regulation.

Hazard pictograms

Signal word	Warning
Hazard Statements	H319 - Causes serious eye irritation
Precautionary Statements	P280 - Wear protective gloves/protective clothing/eye protection/face protection P264 - Wash face, hands and any exposed skin thoroughly after handling P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

CAS# Designation: 98-92-0 Niacinamide
Concentration: ≤ 100%
EC number: 202-713-4

SECTION 4: First aid measures

4.1. Description of first aid measures

After Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Seek immediate medical advice.

After Skin Contact: Instantly wash with water and soap and rinse thoroughly.

After Eye Contact: Rinse cautiously with water for several minutes under running water. Then consult doctor.

After swallowing: Rinse mouth, seek medical treatment.

4.2. Most important symptoms and effects, both acute and delayed

Causes serious eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water (spray - not splash) Dry extinguishing powder Alcohol resistant foam Carbon dioxide
Unsuitable extinguishing media	Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Not available

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow product to reach sewage system or water bodies.

6.3. Methods and material for containment and cleaning up

Collect mechanically.

6.4. Reference to other sections

See Section 7 for more information
See section 8 for more information
See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Take care to maintain clean working place.
Do not leave container open.
Sufficient ventilation must be guaranteed for refilling, transfer, or open use.
Avoid spillage.
Fill only into labelled container.
Avoid rising dust.

7.2. Conditions for safe storage, including any incompatibilities

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2. No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment
General protective and hygienic measures
The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.
Maintain an ergonomically appropriate working environment.

Eye/ face protection	Sufficient eye protection must be worn. Wear glasses with side protection.
Hand protection	Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on future marks of quality and varies from manufacturer to manufacturer.
Skin and body protection	Depending on the risk, wear a tight protective clothing or a suitable chemical protection suit.
Respiratory protection	Particle filer P2 or P3, color code white. Use insulating device for concentrations above the usage limits for filter devices, for oxygen concentrations below 17% volume, or in circumstances which are unclear.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Solid
Color	Not available
Odor	Odourless
Odor Threshold	Not determined
pH 5% (w/v) solution	6.0-7.5
Melting point	128-131 °C
Boiling point / boiling range	Not determined
Flash point	182 °C
Evaporation rate	Not applicable
Inflammability (solid)	Not determined
Vapor Pressure	Not applicable
Vapor density	Not determined
Density at 20 °C	0.5-0.7 g/cm³
Relative density	Not determined
Water solubility	Easily soluble in cold water
Partition coefficient (n-octanol/water)	Not determined
Ignition temperature	480 °C
Decomposition temperature	Not determined
Kinematic viscosity	Not applicable
Dynamic viscosity	Not applicable

9.2. Other information
No further relevant information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No information known

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Reacts with strong oxidizing agents.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

Oxidising agents

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide
Nitrogen oxides(NOx)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Acute oral toxicity (LD50): 2500 mg/kg [Mouse]

Skin corrosion/irritation

May causes irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

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SECTION 12: Ecological information

12.1. Toxicity
No further relevant information available.

12.2. Persistence and degradability
No further relevant information available.

12.3. Bioaccumulative potential
No further relevant information available.

12.4. Mobility in soil
No further relevant information available.

12.5. Results of PBT and vPvB assessment
PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects
No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recommendation
Hand over to disposers of hazardous waste.
Must be specially treated under adherence to official regulations.
Consult state, local or national regulations for proper disposal.

Contaminated packaging
Recommendation
Disposal should be in accordance with applicable regional, national and local laws and regulations

SECTION 14: Transport information

14.1 UN Number	Not applicable
14.2 Proper shipping name	Not applicable
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
14.8 IMDG/IMO	--

SECTION 15: Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECI	PICCS	AICS
Niacinamide 98-92-0 (>99 %)	X	X	X	X	X	X	X	X

"-" Not Listed
"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

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

Issue Date 23-May-2017
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Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Full text of H-Statements referred to under section 3
H319 - Causes serious eye irritation

Full text of R-phrases referred to under sections 2 and 3
R36 - Irritating to eyes