LACTOSE (MONO)

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: LACTOSE (MONO)
Product Code: 1316
CAS#: 10039-26-6
Chemical Name: Not available
Chemical Formula: $C_{12}H_{22}O_{11}.H_2O$
Molecular Weight: KCl

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:
Name: LACTOSE (MONO)
CAS#: Not available
CAS#: 10039-26-6
Chemical Formula: $C_{12}H_{22}O_{11}.H_2O$
Molecular Weight: KCl

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Other hazards: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher

SECTION 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 delay: Not available
Indication of any immediate medical attention and special treatment needed: Not available

SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media:
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Special hazards arising from the substance or mixture: Carbon oxides
Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL 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.
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
Conditions for safe storage, including any incompatibilities: Store in cool place, Keep container tightly closed in a dry and well-ventilated place Light sensitive. Store under inert gas

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:
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
Body Protection Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	: White crystalline powder, Odorless
Colour	: Not available
Odour	: Not available
Odour Threshold	: Not available
pH	: 4.0 – 6.0
Melting point/freezing point	: Not available
Initial boiling point and boiling range	: Not available
Flash point	: Not available
Evaporation rate	: Not available
Flammability (solid, gas)	: Not available
Upper/lower flammability or explosive limits	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: Not available
Water solubility	: Freely soluble in water
Partition coefficient	: Not available
Auto-ignition temperature	: Not available

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity: Not available
Chemical stability: The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions: Not available
Conditions to avoid: Not available
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products other decomposition products: Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: Not available
Skin corrosion/irritation: Not available
Serious eye damage/eye irritation: Not available
Respiratory or skin sensitization: Not available
Specific target organ toxicity: single exposure Inhalation - May cause respiratory irritation

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not available
Persistence and degradability: Not available
Bio accumulative potential: Not available
Results of PBT and vPvB assessment PBT/vPvB assessment: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher
Other adverse effects: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

UN number:
ADR/RID: **IMDG:** **IATA:**
UN proper shipping name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods
Transport hazard class(es):
ADR/RID: **IMDG:** **IATA:**
Packaging group:
ADR/RID: **IMDG:** **IATA:**
Environmental hazards:
ADR/RID: No **IMDG Marine pollutant:** No **IATA:** No

SECTION 15: OTHER REGULATORY INFORMATION

Regulatory 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 no data available

SECTION 16: OTHER INFORMATION

References: Full text of H-Statements referred to under sections 2 and 3: Not available
Other Special Considerations: Not available

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