SODIUM AZIDE, AR GRADE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: SODIUM AZIDE, AR GRADE
Product Code: 425
CAS#: 26628-22-8
Chemical Formula: NaN_3
Molecular Formula: **65.01** g/mol
Formula Weight: NA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Substances Synonyms: NA
Formula: NaN_3
Molecular Weight: 65.01 g/mol
CAS-No.: 26628-22-8

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture
Acute toxicity, (Category 2) H300: Fatal if swallowed.
Acute toxicity, (Category 2) H330: Fatal if inhaled.
Acute toxicity, (Category 1) H310: Fatal in contact with skin.
Specific target organ toxicity - repeated exposure, (Category 2), Brain H373: May cause damage to organs through prolonged or repeated exposure if swallowed.
Short-term (acute) aquatic hazard, (Category 1) H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, (Category 1) H410: Very toxic to aquatic life with long lasting effects.
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.
Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to reach Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to reach Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 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.
Eye Contact: rinse out with plenty of water. Remove contact lenses.
Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Serious Skin Contact: Not available
Serious Inhalation: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician
If swallowed: immediately make victim drink water (two glasses at most). Rinse mouth with water. Consult a physician.
Serious Ingestion: Not available
Most important symptoms and effects, both acute and delay No data available
Indication of any immediate medical attention and special treatment needed no data 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 no data available
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 Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Specific end use(s) A part from the uses no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls
Personal protective equipment
Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.
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 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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: White color powder.
Odour	: Not available
Taste	: Not available
Molecular Weight	: Not available
Colour	: Not available
pH	: Not available
Boiling Point	: Not available
Melting Point	: Not available
Critical Temperature	: Not available
Specific Density	: Not Available
Vapor Pressure	: Not Available
Vapor Density	: Not available

Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: Not available

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity No data available
Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions No data available
Conditions to avoid No data available
Incompatible materials Strong oxidizing agents
Hazardous decomposition products Other decomposition products - No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity
LD50 Oral - Rat - 27 mg/kg
LC50 Inhalation - Rat - male and female - 4 h - 0,054 - 0,52 mg/l - dust/mist
LD50 Dermal - Rabbit - 20 mg/kg
Inhalation: No data available
Skin corrosion/irritation No data available.
Serious eye damage/eye irritation No data available.
Respiratory or skin sensitization No data available.
Carcinogenicity
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity No data available.
Specific target organ toxicity - No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) - 0,169 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrate's static test EC50 - Daphnia magna (Water flea) - 0,33 mg/l - 48 h
Toxicity to algae static test NOEC - Pseudokirchneriella subcapitata (green algae) - 0,0049 mg/l - 72 h
Toxicity to bacteria static test IC50 - activated sludge - 0,35 mg/l - 4 h (ISO 9509)
Toxicity to fish (Chronic toxicity) flow-through test NOEC - Oncorhynchus mykiss (rainbow trout) - 0,039 mg/l - 30 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) semi-static test NOEC - Daphnia magna (Water flea) - 0,039 mg/l - 21 d
Persistence and degradability No data available
Bio-accumulative potential No data available
Mobility in soil No data available
Results of PBT and vPvB assessment PBT/vPvB assessment not data available
Other adverse effects No data 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
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical Safety Assessment: For this product a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements
H300 Fatal if swallowed.
H310 Fatal in contact with skin.
H330 Fatal if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH032 Contact with acids liberates very toxic gas.

Other Special Considerations: Not available.
The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user ‘s obligation to investigate and determine the suitability of the information for their particular purpose.