BORIC ACID, AR GRADE

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: BORIC ACID, AR GRADE
Product Code: CM 23,419
CAS#: 10043-35-3
Synonym: Not available
Chemical Name: Not available Chemical
Formula: H_3BO_3
Formula Weight: 61.83

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:
Name: BORIC ACID
Toxicological Data on Ingredients: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
This substance is not classified as dangerous according to Directive 67/548/EEC.

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not a hazardoussubstance or mixture according to Regulation (EC) No 1272/2008.
Potential Acute Health Effects: Not available.
Potential Chronic Health Effects: Not available.
Carcinogenic Effects: Not available.
Mutagenic Effects: Not available.
Teratogenic Effects: Not available.
Developmental Toxicity: Not Available

SECTION 4: FIRST AID MEASURES

Description of first aid measures: General advice Consultaphysician. Show this safety data sheet to the doctor in attendance.
If inhaled If breathed in: Move person into fresh air. If notbreathing, 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, Nitrogen oxides (NOx). Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergencyprocedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensureadequate ventilation. Avoid breathing dust.
Environmental precautions: Do not let product enter drains.
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: Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.
Moisture sensitive.
Storage Class: Not available
Specific end use(s) A part from the uses: No other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:
Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
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.
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).
Control of environmental exposure: Do not let product enter drains.

SECTION9:PHYSICALANDCHEMICAL PROPERTIES

Appearance Form	:White fine powder, free from crystals and granules
Colour	:Not available
Odour	:Not available
Odour Threshold	:Not available
pH	:Not available
Melting point/freezingpoint	:Not available
Initial boiling pointandboilingrange	:Not available
Flash point	:Not available
Evapouration rate	:Not available
Flammability (solid,gas)	:Not available
Upper/lower flammabilityorexplosivelimits	:Not available
Vapour pressure	:Not available
Vapour density	:Not available
Relative density	:Not available
Water solubility	:Not available

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 : Generates dangerous gases or fumes in contact with: Strong acids
Conditions to avoid : Not available
Incompatible materials: Not available
Hazardous decomposition products Other decomposition products - In the event of fire

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects:
Acute Toxicity:
LD50 Oral - Rat - male and female - 3.450 mg/kg
LC50 Inhalation - Rat - male and female - 4 h - > 2,12 mg/l
LD50 Dermal - Rabbit - male and female - > 2.000 mg/kg
Skin corrosion/irritation: Not available
Serious eye damage/eye irritation: Not available
Respiratory or skin sensitization: Not available
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.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish	LC50 - Ptychocheilus lucius - 279mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 133 mg/l - 48 h

Persistence and degradability: Not available.
Bio accumulative potential: Not available
Mobility in soil: Not available
Results of PBT and vPvB assessment PBT/vPvB assessment: not available
Other adverse effects: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Product Offer surplus and non-recyclable solutions to a licensed disposal company.
Dissolve or mix the material with a combustible solvent andburn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging: Dispose of as unused product.

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 withthe requirements of Regulation (EC) No. 1907/2006.

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements: Not Applicable
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.