MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF SUBSTANCE

Product Name: Sodium Ascorbate

Contact Information:

Company: Aurora Industry Co.,Ltd.
Address:Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China
Tel:0411-82288674

SECTION 2: COMPOSITION DATA ON COMPONENTS

NAME PERCENT

SODIUM ASCORBATE pure material

Physical / chemical characteristics:

Boiling point n/a

Specific gravity(H20=1) n/a

Vapor pressure (mm Hg) n/a

Vapor density (AIR=1) n/a

Evaporation rate (Butyl acelate=1) n/a

Solubility in water about 62g soluble in 100ml water

Appearance white to very faintly yellow crystals or crystalline powder

SECTION 3: HAZARDS IDENTIFICATION

NAME PERCENT THRESHOLD LIMIT VALUE(UNITS)

PRINCIPAL HAZARDOUS

COMPONENT(S) Sodium Ascorbate Pure material Not established

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

SECTION 4: FIRST AID MEASURES

General information: Remove from expose, remove contaminated clothing, Person developing serious

hypersensitivity relations must receive immediate medical attention. If not breathing, give artificial respiration. If

breathing is difficult give oxygen. Obtain medical attention.

1.Inhalation May cause irritation of respiratory tract. Remove to fresh air.

2. Eyes May cause irritation. Flush with copious quantities of water.

3. Skin May cause irritation. Flush with copious quantities of water.

4. Ingestion May cause irritation. Flush out mouth with water.

SECTION 5: FIRE-FIGHTING MEASURES

As with all fires, evacuate personnel to safe area. Firefighters should use self-contained breathing equipment and
protective clothing.
Suitable extinguishing agents: water spray, dry chemical, and carbon dioxide or foam as appropriate for
surrounding fire and materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

Person-related safety precautions

Respiratory protection NIOSH approved respirator
Ventilation Adequate
Local exhaust Recommended
Mechanical (general) Recommended
Other n/a
Protective gloves Rubber
Eye protection Safety goggles
Other protective clothing or equipment
Appropriated laboratory apparel protection exposed skin
Measures for environmental protection

Dispose of waste in accordance with all applicable laws
Measures for cleaning /collecting

Wear approved respirator and chemical compatible gloves, vacuum or sweep us spillage Avoid dust, place spillage
in appropriate container for waste disposal. Wash contaminated clothing before reuse.

SECTION 7: HANDLING AND STORAGE

Handling and storage

Store in tight, light-resistant container as defined in USP/BP/EP/DAB /EUR. This material should be handle and
stored per label with other instructions to ensure product integrity.
Information for safe handling

Avoid contact with eyes, skin or clothing. Avoid breathing dust or mist. Use with adequate control. Wash
thoroughly after handling. Wear fresh clothing daily. Wash contaminated clothing before reuse. Do not permit
eating, drinking or smoking near material.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Components with critical values that require monitoring at the workplace
CAS NO. Designation of materials % Type Value unit

134-03-2 SODIUM ASCORBATE Pure material Vc-Na
Personal protective equipment

Respiratory protection NIOSH approved respiratory
Protective gloves Rubber
Eye protection Safety goggles
Other protective clothing or equipment
Appropriate laboratory apparel protect exposed skin

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FORM: SODIUM ASCORBATE
Appearance: White to very faintly yellow crystals or crystalline powder
Identification: Positive
Specific optical rotation $[\alpha]_{20D}$: Between + 103o and + 106o (10 % w/v aqueous solution)
Loss on drying: Not more than 0.25%
Heavy metals: Not more than 10mg/kg
Lead: Not more than 5mg/kg
Arsenic: Not more than 3mg/kg
Mercury: Not more than 1mg/kg
Ph(10 % aqueous solution) : Between 6.5 and 8.0
Assay : Sodium ascorbate, after drying in a vacuum desiccator over sulphuric acid for 24 hours, contains not less than 99 % of $C_6H_7O_6Na$

SECTION 10: STABILITY AND REACTIVITY

Stability ( ) Unstable (x) Stable
Conditions to avoid Material is stable from a safe point of view.
Avoid exposure to light. Free from contact with metal.
Aqueous solutions are unstable and subject to quicker oxidation by air at pH higher than 6.0
Incompatibility
(Materials to avoid) Iron, copper, or nickel salts
Hazardous polymerization ( ) May occur (x) Will not occur
Dangerous products of composition Not established

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity None established

Primary irritant effect None established

SECTION 12: ECOLOGICAL INFORMATION

According to all applicable laws.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste from residues Incinerate in qualified installation with flue gas scrubbing
Observe local/national regulations regarding waste disposal

SECTION 14: TRANSPORT INFORMATION

Keep container tightly, closed and use with adequate ventilation; wash thoroughly after handling.
Not regular by IMDG/IMO

SECTION 15: REGULATORY INFORMATION

Individuals working with chemicals should consider all chemicals to be potentially hazardous even if their
individual hazards may be uncharacterized or unknown.

SECTION 16: ADDITIONAL INFORMATION

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No additional information is neccessary.
n/a = not applicable