

Material Safety Data Sheet
Version No.: 1.0(Rev.date 2012-09-10)
20X SSC

1. Product and Company Information

Product Name : 20X SSC

Recommended Use : For Research Use Only

Supply Information

○ Company : Bioneer

○ Address : 8-11 Munpyeongseo-ro, Daedeok-gu, Daejeon 34302, Republic of Korea

○ Emergency telephone number : 82-42-930-8777

2. Hazards Identification

GHS-Classification

Classification of the hazardous chemical

Skin corrosion/Skin irritation : Category 2

Serious eye damage/eye irritation: Category 2

Label elements, including precautionary statements

Pictogram



Signal word Warning

Hazard statements

H315 Causes skin irritation. H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

P201 Obtain special instructions before use.

P302+P350 If on skin, Gently wash with plenty of soap and water.

P305+P351+P338 If in eye, Rinse cautiously with water for several minutes. Wash repeatedly.

3. Composition/Information on ingredients

Chemical name	Synonyms	CAS No.	Weight(%)
Sodium chloride		7647-14-5	20~25%
Sodium citrate,dihydrate		6132-04-3	10~15%
Water		7732-18-5	50~60%

4. Composition/Information on ingredients

- . Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes.
- . Skin Contact : Rinse thoroughly with plenty of water for at least 15 minutes.
- . Inhalation : Move to fresh air. If breathing is difficult, give oxygen.
- . Ingestion : Never give anything by mouth to an unconscious person.
- . The most important acute and delayed symptoms/effects : Not information available
- . Notes to Physician : Not information available.

5. Fire-fighting measures

- . Suitable Extinguishing Media : Water-spray, Dry chemical, CO2.
- . Flammable Properties : No information available
- . Protective Equipment and Precautions for Firefighters : As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

6. Accidental release measures

- . Personal Precautions : Wear respirator,safety goggles,boots,thick gloves.
- . Environmental precautions : Absorb the sand or vermiculite. Store in a sealed container for disposal.
- . Methods for cleaning up : After collect absorbed by inert material, Dispose in the designated waste. Wash contaminated area.

7. Handling and Storage

- . Handling : Store in a cool and well-ventilated area.
- . Storage : Store at room temperature. Protect from moisture.

8. Exposure control/personal protection

- . Chemical exposure limits, biological exposure limits etc. : No data available
- . Engineering Measures : Not information available
- . Personal Protective Equipment
 - Respiratory Protection : Wear respiratory mask approved by KOSHA(Korea Occupation Safety Health Agency).
 - Eye/Face Protection : Wear Chemical Safety protective goggle or glasses approved by KOSHA(Korea Occupation Safety Health Agency).

Skin Protection : Wear Chemical Safety gloves approved by KOSHA(Korea Occupation Safety Health Agency).

Body Protection : Wear protective clothes approved by KOSHA(Korea Occupation Safety Health Agency).

9. Physical and chemical properties

- . Apperance : Liquid, transparentness
- . Odor : No data available
- . Odor threshold : No information available
- . pH : No information available
- . Melting point/Freezing point : No information available
- . Initial boiling point/range : No information available
- . Flash point : No information available
- . Evaporation rate : No information available
- . Flammability (Solid,Liquid) : No information available
- . Flammability Limits upper/lower : No information available
- . Vapor pressure : No information available
- . Solubility : No information available
- . Vapor density : No information available
- . Viscosity : No information available
- . n octanol/water : No information available
- . Autoignition temperature : No information available
- . Decomposition temperature : No information available
- . Specific gravity : No information available
- . Molecular weight : No information available

10. Stability and Reactivity

- . Stability : Stable under recommended storage conditions.
- . Possibility of harmful response : No information available
- . Conditions to avoid (electric discharge, impact, vibration etc) : No information available
- . Material to avoid : No information available
- . Hazardous Decomposition Products : Carbon oxides,Nitrogen oxides

11. Toxicological information

- . Principle routes of exposure
 - Respiratory : No data available
 - Ingestion : No data available

Eye/Skin : No data available

. Health effects

Acute toxicity : No data available

Skin corrosive or irritant : No data available

Serious eye damage or irritant : No data available

Respiratory irritability : No data available

Skin irritability : No data available

Carcinogenicity : No data available

Germ cell mutagenicity : No data available

Reproductive toxicity : No data available

Specific target organ toxicity (single exposure) : No data available

Specific target organ toxicity (repeated exposure) : No data available

Aspiration Hazard : No data available

. Numerical measures of toxicity(Acute toxicity estimates etc) : No data available

12. Ecological Information

. Ecotoxicity effects: No data available

. Residual and degradability : No data available

. Bioaccumulation : No data available

. Mobility : No data available

. Other harmful effects : No data available

13. Disposable considerations

. Waste disposal method : No data available

. Contaminated packaging : Dispose contents and vessel in accordance with regulation by the waste disposal law.

14. Transport Information

. UN Number : No data available

. UN Proper Shipping Name : No data available

. Transport hazard class : No data available

. Packing group : No data available

. Marine pollutant : No data available

. The special vehicle Safety measures : No data available

15. Regulatory information

. Regulation by Industrial safety and health act : Not information available

. Regulation by toxic chemicals control act : Not information available

. Regulation by Safety control of dangerous substance act : Not information available

- . Regulation by the waste control act : Not information available
- . Regulation by other domestic and foreign regulatory : Not information available

16. Other information

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