



**MATERIAL SAFETY DATA SHEET**

IDENTITY: Prep Buffer C

**1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

PRODUCT NAME : Prep Buffer C  
 MANUFACTURER : Precision System Science Co.,Ltd.  
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 MSDS No. : MSDS-E1403-E-00

**2. HAZARDS IDENTIFICATION**

REAGENT NAME	SINGLE/MIXTURE	GHS CLASSIFICATION			
		Class	Category	Symbol	H-Code
Prep Buffer C	Mixture	Acute toxicity (oral)	4		H302
		Acute toxicity (inhalation : mist)	4 1C		H331, H332 H314
		Skin corrosion / irritation	1		H318
		Serious eye damage / eye irritation	3		H402
		Hazardous to the aquatic environment	3		H412

**SIGNAL WORD:** Danger**HAZARD STATEMENTS:**

Causes serious eye irritation  
 Suspected of damaging fertility or the unborn child  
 Causes damage to organs  
 May cause respiratory irritation  
 Causes damage to organs through prolonged or repeated exposure  
 May cause damage to organs through prolonged or repeated exposure  
 Harmful if swallowed  
 Causes skin irritation  
 Very toxic to aquatic life  
 Very toxic to aquatic life with long-lasting effects

**PRECAUTIONARY STATEMENTS:**

REAGENT NAME	SINGLE/MIXTURE	P-code	Precautionary statement
Prep Buffer C	Mixture	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
		P262	Avoid contact with skin and eyes.
		P270	Do not eat, drink or smoke when using this product.
		P271	Use only outdoors or in a well-ventilated area.
		P273	Avoid release to the environment.
		P280	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
		P302+ P352	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
		P303+P361+ P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
		P304+P340	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P305+P351+ P338	Call a POISON CENTER or doctor/physician if you feel unwell.
		P310	Immediately call a doctor.
		P362	Collect spillage.
		P391	Store locked up.
		P403+P233	Store in a well-ventilated place. Keep container tightly closed.
		P405	Dispose of contents/container according to national regulation.
P501	Avoid breathing dust/fume/gas/mist/vapours/spray.		

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL IDENTITY	CAS No.	Content (%)	EINECS No.	TSCA (Listed or not Listed)
Guanidine Thiocyanate	593-84-0	20-50%	209-812-1	Listed
N-Lauroylsarcosine Sodium Salt	137-16-6	0.1-5%	205-281-5	Listed

**4. FIRST AID MEASURES**

- GENERAL ADVICE:** Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.
- INHALATION:** Move victim to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, administer artificial respiration. Maintain normal body temperature with a blanket. If irritation persists, transport to a hospital immediately.
- SKIN CONTACT:** Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

**EYE CONTACT:** Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

**INGESTION:** Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Transport to a hospital immediately.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical powder, alcohol resistant foam, water

**FIRE & EXPLOSION HAZARDS:** Flammable liquid. Hazardous toxic and irritating fumes or smoke may be emitted. Vapors may travel considerable distance to ignition source and flash back.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**

Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spills from entering sewers, watercourses or low areas.

**METHODS FOR CLEANING UP:** Do not touch spilled material without suitable protection (See section 8). Take up spilled material with ashes or other absorbents. After material is completely picked up, wash the spill site with soap and water and ventilate the area. Put all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose of contaminated clothing.

## 7. HANDLING AND STORAGE

**PRECAUTION FOR SAFE HANDLING:** Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection away from source of heat or ignition and use non-sparking type tools.

**CONDITIONS FOR SAFE STORAGE:** Store away from sunlight in well-ventilated dry place at room temperature (preferably cool place). Keep container tightly closed.

**INCOMPATIBILITIES:** Bases, oxidizers, reducing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES: Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation.

VENTILATION: Local Exhaust; Necessary, Mechanical(General); Recommended

### INDIVIDUAL PROTECTION MEASURES;

Respiratory protection: Use a NIOSH/MSHA or European Standard EN149 approved respirator if the vapor concentrations exceed regulatory guidelines.

Hand protection: Chemical resistant gloves

Eye protection: Safety glasses(goggles)

Skin protection: Protective clothing

### CONTROL PARAMETER:

OSHA Final Limits: Not available

ACGIH TLV(s): Not available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR: clear, aqueous solutions

pH: 2.0-8.0

MELTING POINT: Not available

INITIAL BOILING POINT: Not available

FLASH POINT: Not available

FLAMMABILITY (solid, gas): Not available

EXPLOSIVE LIMITS: Not available

VAPOR PRESSURE: Not available

VAPOR DENSITY: Not available

RELATIVE DENSITY: Not available

SOLUBILITY IN WATER Miscible

PARTITION COEFFICIENT: Not available

AUTOIGNITION TEMPERATURE: Not available

DECOMPOSITION TEMPERATURE: Not available

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Sunlight, strong oxidizer, reducing agent

INCOMPATIBLE MATERIALS: Oxidizers, acetic anhydride, calcium oxychloride, chromium oxides

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide may be formed.

## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: Not available

IRRITATION DATA: Not available

Code : E1403

MSDS No. : MSDS-E1403-E-00

MUTATION DATA: Not available  
REPRODUCTIVE EFFECTS DATA: Not available  
TUMORIGENIC DATA: Not available

## 12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available  
PERSISTENCE AND DEGRADABILITY: Not available  
BIOACCUMULATION POTENTIAL: Not available  
MOBILITY IN SOIL: Not available  
OTHER ADVERSE EFFECTS: Not available

## 13. DISPOSAL CONSIDERATION (INCLUDING CONTAINER)

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules).

After contents are completely removed, dispose of its container at hazardous or special waste collection point. (In accordance with local/regional/national/international regulation).

## 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

Special precautions for user

No data available

## 15. REGULATORY INFORMATION

Not available

## **16. OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS**

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. This product is intended to be used by expert persons having chemical knowledge and skill, at their own discretion and risk and PSS shall not be held liable for any damage resulting from handling or from contact with the above material.