

MATERIAL SAFETY DATA SHEET

IDENTITY: Prep Buffer B

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

PRODUCT NAME : Prep Buffer B
 MANUFACTURER : Precision System Science Co.,Ltd.
 Address : 88, Kamihongou, Matsudo-shi, Chiba 271-0064 JAPAN
 Telephone Number :
 For Information : +81-47-303-4801
 Emergency : +81-47-303-4801
 E-Mail : service@pss.co.jp
 MSDS No. : MSDS-E1401-E-00

2. HAZARDS IDENTIFICATION

REAGENT NAME	SINGLE/MIXTURE	GHS CLASSIFICATION			
		Class	Category	Symbol	H-Code
Prep buffer B	Mixture	Acute toxicity, oral	4		H302
		Acute toxicity, dermal	4		H312
		Skin corrosion / irritation	2		H315
		Serious eye damage / eye irritation	1		H318
		Specific target organ systemic toxicity - single exposure	1		H370
		Specific target organ systemic toxicity - Repeated exposure	2		H373
		Hazardous to the aquatic environment	1		H401

SIGNAL WORD: Danger

HAZARD STATEMENTS:

Harmful if swallowed
 Harmful in contact with skin
 Causes skin irritation
 Causes serious eye damage
 Causes damage to organs
 Causes damage to organs through prolonged or repeated exposure
 Toxic to aquatic life

PRECAUTIONARY STATEMENTS:

REAGENT NAME	SINGLE/MIXTURE	P-code	Precautionary statement
		P260	Do not breathe dust/fume/gas/mist/vapours/spray.
Prep Buffer B	Mixture	P264	Wash face, hand and any exposed skin thoroughly after handling
		P270	Do not eat, drink or smoke when using this product.
		P273	Avoid release to the environment.
		P280	Wear protective gloves/protective clothing/eye protection/face protection
		P310	Immediately call a doctor.
		P312	Call a POISON CENTER or doctor/physician if you feel unwell.
		P314	Get medical advice/attention if you feel unwell.
		P321	Specific treatment.
		P322	Specific treatment.
		P330	Rinse mouth.
		P362	Collect spillage.
		P363	Wash contaminated clothing before reuse
		P405	Dispose of contents/container according to national regulation.
		P501	Avoid breathing dust/fume/gas/mist/vapours/spray.
		P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
		P302+352	IF ON SKIN: Wash with plenty of soap and water.
		P307+311	IF exposed: Call a POISON CENTER or doctor/physician.
		P332+313	IF SKIN irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY	CAS No.	Content (%)	EINECS No.	TSCA (Listed or not Listed)
Sodium dodecyl sulfate	151-21-3	<5%	205-778-1	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.

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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 :	Use personal protective equipment. Ensure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS :	Should not be released into the environment.
METHODS FOR CLEANING UP :	Sweep up or vacuum up spillage and collect in suitable container for disposal.

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

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

Hand protection

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection : Safety glasses

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Footwear protecting against chemicals

Hygiene measures : Keep away from food and drink. When using do not eat, drink or smoke

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR :	aqueous solutions, clear
pH :	6.0-9.0
MELTING POINT :	No data available
INITIAL BOILING POINT :	No data available
FLASH POINT :	No data available
FLAMMABILITY (solid, gas) :	No data available
EXPLOSIVE LIMITS :	No data available
VAPOR PRESSURE :	No data available
VAPOR DENSITY :	No data available
RELATIVE DENSITY :	No data available
SOLUBILITY IN WATER	No data available
PARTITION COEFFICIENT :	No data available
AUTOIGNITION TEMPERATURE :	No data available
DECOMPOSITION TEMPERATURE :	No data available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY :	Stable under recommended storage conditions.
CONDITIONS TO AVOID :	No data available
INCOMPATIBLE MATERIALS	No data available
HAZARDOUS DECOMPOSITION PRODUCTS :	No decomposition if stored and applied as directed

11. TOXICOLOGICAL INFORMATION

as 95% sodium dodecyl sulfate.

ACUTE TOXICITY :	LD50 Oral - Rat - male and female - 1,200 mg/kg LC50 Inhalation - Rat - 1 h - > 3,900 mg/m ³
SKIN CORROSION/IRRITATION :	Rabbit Eye Irritation / Corrosion Test (OECD TG 405, GLP), "Modified Maximum Average Scores: 16.00; moderately irritating, 59.17; irritating, 60.50; irritating" (ECETOC TR48 (1992), IUCLID (2000))) Is described.
MUTATION :	No data available
REPRODUCTIVE EFFECTS :	No data available
TUMORIGENIC :	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

12. ECOLOGICAL INFORMATION

ECOTOXICITY :	No data available
PERSISTENCE AND DEGRADABILITY :	No data available.
BIOACCUMULATION POTENTIAL :	No data available
MOBILITY IN SOIL :	No data available
OTHER ADVERSE EFFECTS :	No data 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	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	
Further information	Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Not available

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

Reference

NITE-CHRIP http://www.nite.go.jp/chem/chrip/chrip_search/systemTop

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.