SDS Code: FBS PWS

2.22%

Date prepared: June 24, 2015

1. Identification

Name of the product:

Pressure Washer Soap

Recommended use:

Low foam industrial cleaner

Use not recommended: Not for use as a body wash. Company: Fred Brewer Sales

P.O. Box 376

412 N Hwy 277

Elgin, OK 73538

Fletcher, OK 73541

Telephone: 580-492-4656

fax: 580-549-6123

email address:

fredbrewersales@tds.net

Transportation Emergency Number:

Chemtrec 800-424-9300

2. Hazards identification

GHS Classification in accordance with 29 CFR 1910

OSHA Hazards:

Skin irritation, Category 3

H316 Causes mild skin irritation.

Eye irritation, Category 2A

H319 Causes eye irritation.

GHS Label elements, including precautionary statements

Pictogram

Signal word: Warning

Hazard statements:

H316 Causes mild skin irritation.

H319 Causes eve irritation.

Precautionary statements:

P260 Do not breathe dust or mist.

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required

Keep out of waterways.

3. Composition / Information on ingredients

Chemical identity:

Silicic acid, di sodium salt pentahydrate

Common name:

Sodium metasilicate pentahydrate

Numbers of identity:

CAS 10213-79-3

Impurities and other components: None which affect categorization.

4. First-aid measures

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+352

IF ON SKIN: Wash with soap and water

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water.

P304+341

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes.

Remove contact lenses if present and easy to do; continue rinsing.

Most important symptoms and effects, both acute and delayed: Eye irritation. Skin irritation. Indication of any immediate medical attention and special treatment needed when necessary:

5. Firefighting measures

Suitable extinguishing media: Product is not flammable. Use equipment appropriate for the main cause of a fire.

Precautions: Special protective equipment for firefighters: No special protective equipment required.

Flash point: Does not flash.

Autoignition temperature: Does not ignite. Specific hazards in case of fire: None.

Special protective equipment and precaution for fire fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions:

Spill may be slippery. Avoid breathing vapors.

Environmental precautions:

Prevent spills from entering storm sewers or drains and contact with soil.

Methods and materials for containment and cleaning up:

Vacuum or mop up for possible use or reclaim. Common industrial absorbents may be used.

Dispose as non hazardous waste.

7. Handling and storage

Precautions for safe handling:

Avoid contact with eyes. Avoid prolonged or repeated skin contact and breathing mists/vapors.

Conditions for safe storage, including incompatibilities:

Standard safe storage conditions are appropriate: avoid package damage and extremes in temperature:

below 32° and above 120°F. Keep package closed tightly.

8. Exposure controls / personal protection

Information on the system design:

Product is intended for external use only. Stay up wind, out of any spray developed.

Exposure Limits:

Reference 29CFR 1910.1000 Table Z-1

Component Name (CAS)

ppm

Sodium metasilicate pentahydrate (CAS 10213-79-3)

ppm

STEL

NE*

*NE= Not Established

**Also OSHA Table Z-1 and NIOSH

NE*

Personal protective equipment

Respiratory protection:

No requirement anticipated.

Hand protection:

Rubber gloves.

Eye protection:

Safety glasses with side-shields.

Skin and body protection:

Chemical resistant apron or protective suit if splashing or repeated contact

with solution is likely.

Hygiene measures : Wash hands and face before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance:

Clear thin liquid

Odor:

Slight "butyl" Odor threshold: Not available

pH-value:

Approx. 11.4

Melting point:

Not available

Freezing Point:

Not available

Initial boiling point:

Approximately 100°C.

Flash point:

Does not flash.

Evaporation rate:

Not available

Flammability (solid, gas): Not applicable

Explosion limits: Not explosive

Vapor pressure: (highest partial vapor pressure) at 20°C: Not available

Vapor density: Not available Relative density (water=1.00):

1.02 approx.

Auto-ignition temperature: Not available

Solubility: Totally soluble in water at 20°C

Decomposition temperature: Not available

Partition coefficient: Log Kow = Not applicable to mixture.

Viscosity: Like water

10. Stability and reactivity

Chemical stability: No decomposition, if used according to specifications.

Possibility of hazardous reactions: None known

Conditions to avoid: No dangerous conditions known.

Materials to avoid:

No common materials present a hazard.

Hazardous decomposition products: None are known. Also see Section 5.

11. Toxicological information

Acute Toxicity: No information available for finished product.

Sodium metasilicate pentahydrate

Test

CAS 10213-79-3

Oral Toxicity LD 50 (Rats)

847 mg/kg

Dermal Toxicity LD 50 (Rabbit)

No data

Inhalation Toxicity, Vapor

No data No data

Eye Irritation (Rabbit)

No data

Dermal Irritation (Rabbit)

Likely/ possible routes of exposure: Ingestion, skin and eye contact.

Skin:

The product is not expected to be toxic by skin absorption.

Oral: The product is not expected to be toxic by ingestion.

Inhalation: The product is not expected to be toxic by inhalation.

H305 May be harmful if swallowed and enters airways

Irritation

H315 Causes skin irritation

H320 Causes eye irritation

H402 Harmful to aquatic life

Sensitization:

The product is not expected to be sensitizing.

Chronic toxicity: Prolonged skin contact may defat the skin.

Carcinogenicity: No component listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.

Summary Comments: Product may have a drying effect on the skin; frequent or prolonged contact

may cause flaking or cracking of the skin.

12. Ecological information

Persistence and degradability: No data is available for the product itself.

The organics in the product are expected to be inherently biodegradable.

Bio-accumulative potential: There is no evidence to suggest bioaccumulation will occur.

Mobility: Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

Ecotoxicity: The product has not been tested.

The following data is reported for

Sodium metasilicate penta hydrate

CAS 10213-79-3

LC50: Fish Gambusia affnis 2320 ppm; 96 h

LC50: Flea Daphnia magna 247 ppm; 96h

LC50 Snail eggs Lymnea 632 ppm; 96h

Mobility in soil: No data available.

Results of PBT and vPvB assessment: No data available

Other adverse effects: No data available.

13. Disposal considerations

Product as supplied is not an unlisted hazardous waste. Do not discharge to sewer.

Dispose in accordance with local, state and federal regulations.

14. Transport information

Domestic transport:

Not classified as dangerous goods under transport regulations.

Sea transport (IMDG:

Not classified as dangerous goods under transport regulations.

Air transport (IATA/CAO): Not classified as dangerous goods under transport regulations.

15. Regulatory information

Inventory Status:

All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

None

None

Marine pollutant:

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name

CAS Number

Concentration

None

Not applicable

Not applicable

Chemical Name

The following product components are cited on the lists below:

List Citations

Sodium metasilicate pentahydrate

CAS Number

NJ, PA

10213-79-3 California Prop. 65 chemicals: This product does not contain any chemicals known to State of

California to cause cancer, birth defects, or any other reproductive harm.

No ingredient in this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.

16. Other information

MSDS Preparation date:

June 24, 2015

Revising SDS from March 3, 2015 to lower pH and modify hazard statements

Trottering obo from March 6, 20 to to lower pir and modify hazard statements.						
Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 17	1.8,
Immediate	Yes	No	No	No	OSHA 29 CFR 1910.	1200 and
Delayed	No	No	XXX	XXX	SARA 302/311/312/3	13.
HMIS Hazard ratings:	Health 2	Fire 0	Instability (Other E	3 (Goggles, gloves)	
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4						

This SDS contains all the information required for classification by the Canadian CPR.

This SDS is designed for workplace employees, emergency personnel and for conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).