

PRO PLUS

SECTION 1. IDENTIFICATION

Product Identifier	PRO PLUS
Other Means of Identification	ECLEAN PRO PLUS
Product Family	mixture
Recommended Use	POWDERED EMULSIFIER.
Restrictions on Use	Soft fibre.
Manufacturer	Esteam Mfg Ltd, 3750 19th NE , Calgary , Alberta, T2E6V2, 403-291-7050, esteam.com
Emergency Phone No.	Canutec, 1-613-996-6666, 24 hr
Date of Preparation	December 06, 2017

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin corrosion - Category 1B; Serious eye damage - Category 1

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Causes serious eye damage.

Causes severe skin burns and eye damage.

Prevention:

Do not breathe dusts or mists.

Wash hands and skin thoroughly after handling.

Wear protective gloves.

Wear eye protection/face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water/

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor.

Product Identifier: PRO PLUS - Ver. 1
Date of Preparation: December 06, 2017
Date of Last Revision:

SDS No.: 0316

Page 01 of 06

Wash contaminated clothing before reuse.

Storage:
Store locked up.

Disposal:
Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium Metasilicate	6834-92-0	5-10		
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	1-5		
2-Butoxyethanol	111-76-2	1-5		
d-Limonene	5989-27-5	1-5		

Notes

*The exact percentage (concentrations) of the substance in the mixture has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Quickly and gently blot or brush away excess chemical. Rinse with lukewarm, gently flowing water for 5 minutes. If skin irritation occurs, get medical advice or attention.

Eye Contact

Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Does not burn. Contact with water increases evaporation.

Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus and protective suit.

Product Identifier: PRO PLUS - Ver. 1
Date of Preparation: December 06, 2017
Date of Last Revision:

SDS No.: 0316

Page 02 of 06

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Concentrated product: use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Avoid generating dust.

Small Dry Spills: with clean shovel place material into clean, dry container for disposal.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

When handling concentrated product: avoid breathing in this product. Prevent skin contact. Do not get in eyes. Do not swallow. Avoid generating dusts. Keep containers tightly closed when not in use or empty.

Conditions for Safe Storage

Keep container tightly closed. Store in cool dry place. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear Chemical protective gloves.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Yellow crystalline powder. Particle Size: Not available
Odor	Citrus
pH	9.7 (.18% solution)
Melting Point/Freezing Point	Not available (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Flammability (solid, gas)	Will not burn.
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Solubility	Soluble in water; Not available (in other liquids)

Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Other Information	
Physical State	Solid
Molecular Formula	Not applicable
Molecular Weight	Not applicable
Critical Temperature	Not applicable
Vapor Pressure at 50 deg C	Not available
Other Physical Property 1	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Generation of dust. Incompatible materials. Acidic conditions (low pH).

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), acids, copper alloys.

Hazardous Decomposition Products

Carbon Dioxide, Carbon Monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium Metasilicate		1280 mg/kg (rat)	> 5000 mg/kg (rat)
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)		1034 mg/kg (rat)	> 2000 mg/kg (rabbit)
2-Butoxyethanol	> 4.9 mg/L (rat) (4-hour exposure) (vapor)	1300 mg/kg (rat)	> 2000 mg/kg (rat)
d-Limonene		4400 mg/kg (rat)	> 5000 mg/kg (rabbit)

Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful based on animal tests. Irritating to respiratory system.

Product Identifier: PRO PLUS - Ver. 1
 Date of Preparation: December 06, 2017
 Date of Last Revision:

SDS No.: 0316

Page 04 of 06

Ingestion

Harmful if swallowed. Irritation to mouth, throat and stomach.

Aspiration Hazard

Not known to be an aspiration hazard.

Carcinogenicity

Not a carcinogen.

Reproductive Toxicity**Development of Offspring**

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

Not known to be a mutagen.

SECTION 12. ECOLOGICAL INFORMATION**Persistence and Degradability**

Considered to be rapidly degradable.

Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

Mobility in Soil

If released into the environment, this product does not move through the soil.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Environmental Hazards Not applicable

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION**Safety, Health and Environmental Regulations****Canada****Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

USA**Toxic Substances Control Act (TSCA) Section 8(b)**

Listed on the TSCA Inventory.

Product Identifier: PRO PLUS - Ver. 1
Date of Preparation: December 06, 2017
Date of Last Revision:

SDS No.: 0316

Page 05 of 06

SECTION 16. OTHER INFORMATION

SDS Prepared By	Product safety manager
Phone No.	403-291-7050
Date of Preparation	December 06, 2017
Key to Abbreviations	RTECS® = Registry of Toxic Effects of Chemical Substances
References	CHEMINFO database. Canadian Center for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Center for Occupational Health and Safety (CCOHS).
Disclaimer	All information appearing herein is based upon data obtained from raw material manufacturers and/or recognized technical sources. While the information herein is believed to be true and accurate, we make no representation as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible to make their own investigation into the suitability of the information to their particular purposes. User assumes all risks of their handling, disposal and publication or use of the product, or reliance upon information contained herein. This information applies only to the product designated within this document and does not relate to its use in combination with any other chemical product. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.

Product Identifier: PRO PLUS - Ver. 1
Date of Preparation: December 06, 2017
Date of Last Revision:

SDS No.: 0316

Page 06 of 06