

## Safety Data Sheet – Multi-Purpose Cleaner & Degreaser

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#### 1. Identification

Product Name: School Greenclean Multi-Purpose Cleaner & Degreaser  
Synonyms: Surfactant & Alkali Mixture  
CAS Number:

Intended Use: Degreasing & Cleaning Surfaces  
Manufacturer: Shiffler Equipment  
Address: OH, USA

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#### 2. Hazards

##### IdentificationGHS

Classification: **Health**

Eye damage/eye irritation: Category 2B – H320 Causes eye irritation



**GHS Label Elements: WARNING**

##### Precautionary Statements – Prevention

P101 – Keep away from Children

P234 – Keep only in original container

P260 – Do not breathe mists, Vapor or Spray

P264 – Wash skin, eyes and contaminated clothing thoroughly after handling

P270 – Do not eat, drink or smoke while using this product

##### Precautionary Statements – Response

P390 – Absorb spillage to prevent material damage

P332 + P313 – If skin irritation occurs, get medical attention

P301 + P312 – IF SWALLOWED, Call a POISON CENTER or Doctor/Physician if you feel unwell

P330 – Rinse mouth

P305 + P351 + P338 – IF IN EYES – Rinse cautiously with water for several minutes. Remove contact lenses, if present and is easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists, get medical advice or attention

P363 – Wash contaminated clothing before use

##### Precautionary Statements – Storage

P405 – Store in a secure manner

### Precautionary Statement – Disposal

P501 – Dispose of Contents and containers in accordance with applicable local, regional, national and/or international regulations.

### 3. Composition / Information on Ingredients

Ingredients	CAS Number	Percent by Weight
Non-ionic surfactant mixture (Non Haz)	Mixture	< 3.0
Glutaral	111-30-8	> 0.0003 - < 0.003
Water	7732-18-5	> 89.0

### 4. First Aid Measures

**Inhalation:** Move to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and seek medical attention immediately.

**Skin:** Immediately flush with mild hand or bath soap and water for at least 15 minutes. If irritation or rash develops, seek medical attention. Remove contaminated clothing & Shoes and launder before reuse.

**Eye:** Immediately flush with running water for 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. If irritation persists seek medical attention immediately.

**Ingestion:** Do not induce vomiting. If conscious give 3-4 glasses of water to dilute and get immediate medical care.

### 5. Fire Fighting Measures

Flash Point: Above 95 °C (203 °F) – Not Flammable or Combustible  
 Sensitivity to Mechanical Impact: Not Sensitive  
 Sensitivity to Static Discharge: Not Sensitive

This is water-based product more than 89 % water and thus is non-combustible. It does not contain any flammable or combustible solvents dissolved and this does not pose a risk of separating from the liquid phase and flashing off. When concentrated by the evaporation of the water and then by getting in contact with water it may pose a low risk of reacting with the following metals and alloys; Aluminum, Zinc, Magnesium and Copper to release Hydrogen gas which can form explosive mixtures

in air.

**Suitable Extinguishing Media:** Water or Dry Powder may be used safely on this product. Chose and Use extinguishing agents appropriate for the surrounding materials that may be on fire.

**Combustion Products:** Although unlikely in normal circumstances, there may be situations where the product may have been heated for long periods of time and Irritating or toxic substances may be emitted upon thermal decomposition from concentrated portions of the product. Thermal decomposition products may include oxides of carbon and nitrogen.

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### *6: Accidental Release Measures*

#### Occupational Release:

For very large spills, 50 Gallons and above, wear appropriate personal protective equipment recommended in Section 8 of this SDS. Completely contain spilled material with dikes and sand bags. Keep out of water supplies and sewers. Liquid material must be removed with a vacuum truck. Flush spill with water and vacuum if appropriate. This material is alkaline and may raise the pH of Surface waters.

For Smaller spills, wear appropriate personal protective equipment and vacuum into a container and dispose of the material according to the advice on Chapter 13. Disposal considerations. After vacuuming the spill; Wash the spill area with water and squeegee to the wash water into the floor sump that feeds to the sewer.

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### *7. Handling and Storage*

#### Handling

Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed.

Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use. Destroy contaminated belts and shoes and other items that cannot be decontaminated.

Keep away from heat and flame. Keep operating temperatures below ignition temperatures at all times. Use non-sparking tools.

#### Storage

Store in tightly closed containers in cool, dry, well-ventilated area. Store at ambient or lower temperature. Keep containers tightly closed and upright when not in use. Protect against physical damage.

Empty containers may contain toxic, flammable and explosive residue or vapors.

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### 8. Exposure Controls / Personal Protection

#### Exposure Limits

Component	Occupational Exposure Limit - (at full strength)
Glutaral	OSHA PEL CLV 0.2 ppm, 0.8 mg/M3 ACGIH TLV 0.05 ppm

#### Engineering Controls – Occupational Use

If the product is used in open areas and ventilated areas local exhaust ventilation may not be necessary. Ventilation may be required in small closed areas.

#### Personal Protective Equipment (PPE)

Eye Protection: Wear chemical safety goggles or safety glasses.

#### Skin Protection:

Avoid skin contact. Wear Latex Rubber or Vinyl gloves impervious to Water based liquids.

#### Respiratory Protection:

Respiratory protection should be worn when there is a potential to exceed the exposure limits. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In misty or condensing atmospheres, use an approved particulate respirator. (Particulate Filter)

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### 9. Physical and Chemical Properties

Appearance / Odor:	Clear, colorless liquid with mild, Soapy Fragrant odor.
Flashpoint:	Above 95 °C (203 °F) – Not Flammable or Combustible
Boiling Point:	About 100 °C (212 °F) at 760 mm Hg.
Auto-ignition Temperature:	Not Applicable
Evaporation Rate:	Same as Water
Flammable Limits in Air:	Lower: Not Applicable Upper: Not Applicable
Vapor Pressure:	Same as Water
Vapor Density:	Same as Water (No Volatiles present)
Volatile Organic Content:	Zero
Solubility in Water:	100 % (Complete)

Specific Gravity: 1.02 @ 25°C (8.50 Pounds per Gallon)

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### 10. Stability and Reactivity

Stability: Stable in a wide range of practical use and storage temperatures  
See Storage Instructions, Section – 7

Incompatibility: Incompatible with strong acids and will react mildly with acids

Hazardous Reactions: None – Mild reactions with Acids that do not cause a hazard

Decomposition Products: Polymerization will not occur

Thermal decomposition products may include concentrations of high alkalinity salts

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### 11. Toxicological Information

#### Acute Toxicity Effects

May be harmful if swallowed in large quantities as observed in shampoos and soap liquids.  
Values are prorated for the quantities present in the product.

Oral: LD50, Species Rat, Value > 166 Gram/kg

Inhalation: ATE > 660 mG/L (determined for vapor)

Dermal: LD50, Species Rabbit, > 166 mG/kg

#### Irritation

Assessment of irritating effects:

Eye Contact: Causes reddening of the eyes and eye irritation.

Skin Contact: Prolonged contact may cause irritation and local reddening of the skin.

Inhalation: May cause severe irritation in the nasal passage when large amounts of mist of this product were inhaled.

Ingestion: May cause severe gastrointestinal irritation with a feeling of Nausea, similar to that of soaps and shampoos

Carcinogenicity: None of the Ingredients in this product are classified as carcinogen by the NTP, IARC and OSHA.

Chronic Effects – The Chronic effects are irritation to the Skin and Eyes if they come in contact with the spray or liquid. However, given none of the ingredients are airborne from the targeted surfaces, the risk of chronic exposure is greatly reduced.

Delayed and Immediate effects as well as chronic effects from short and long-term exposure

Sensitization: Does not sensitize the nasal passages, throat or skin (Does not fume or vaporize)

Carcinogenicity: NONE of the ingredients are a carcinogen per IARC, NTP, OSHA and ACGIH

Mutagenic Effects: NONE of the ingredients are a mutagen

Reproductive Effects: NONE of the ingredients cause reproductive effects or harm

Development Effects: NONE of the ingredients cause development effects or harm

Aspiration Hazard: NONE of the ingredients are an aspiration hazard

STOT – Single Exposure: NONE of the ingredients at the current levels have STOT concerns

STOT – Repeated Exposure: NONE of the ingredients at the current levels have STOT concerns

## 12. Ecological Information

Ingredient	Data prorated for amount present in the product
Surfactant	Fish: LC50 > 333 – 3333 mG/L Aquatic Invertebrates: EC50 48 Hours, 333 – 3333 mG/L Aquatic Plants: EC50, 72 Hours, 333 – 3333 mG/L Chronic toxicity to aquatic invertebrates: 21 Days, 33 mG/L

Persistence and degradability: Readily biodegradable (OECD Criteria)

Photodegradation: After evaporation or exposure to the air, the product will be rapidly degraded by photochemical process.

Bioaccumulation: Significant Bioaccumulation is not to be expected

## 13. Disposal Considerations

Review Local, State, Provincial and Federal (National) Government requirements prior to disposal of this product. This is water-based product with about 85 % Water and contains the ingredients found in laundry detergents, soaps and janitorial products. Please follow the Local, State, Provincial and Federal (National) Government Regulations for disposal of laundry detergents, soaps and janitorial products.

Do not dispose this product with Acid based products such as Drain Cleaners and de-cloggers that contain muriatic acid

## 14. Transport Information

Not Regulated in any mode of transport

## 15. Regulatory Information

#### U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):  
Not listed under CERCLA

#### OSHA

Not listed

Toxic Substances Control Act (TSCA): All components of this product are included on the TSCA inventory.

#### Clean Water Act (CWA):

Clean Air Act (CAA): This product does not contain any Chemicals that are considered Hazardous Air Pollutants. The VOC of this product is Zero

#### Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA Section 311/312 (40 CFR 370) Hazard Categories:

None

Fire Hazard: None

Pressure Hazard: None

Reactivity Hazard: None

#### SARA Section 313 (40 CFR 372)

This product does not contain toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372)

#### State Regulations

California: This product does NOT contain any chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

#### International Regulations

Canadian Environmental Protection Act: All of the components of this product are included on the Canadian Domestic Substances list (DSL).

European Inventory of Existing Chemicals (EINECS): All of the components of this product are included on EINECS.

EU Classification:

EU Risk (R) and Safety (S) Phrases:

R38: Irritating to the skin.R41: Risk of irritation to eyes.

R43: May cause sensitization by skin contact.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S9: Keep container in a well-ventilated place.

S36/37: Wear suitable protective clothing and gloves.

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#### *16. Other Information*

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 1 -- Flammability: 0 -- Reactivity: 0

Disclaimer: The information contained herein is accurate to the best of our knowledge.

Schiffler Equipment urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.

January 7, 2022