



TriGuard Urinal Cleaner

S a f e t y D a t a S h e e t

Section 1: Identification of the substance or mixture and of the supplier

Product Name: TriGuard Urinal Cleaner

Other Means of Identification: FM01-30K-1-HI

Intended Use: Urinal Cleaner

Supplier: ProSTAR Industries
1430 N. Harvey Mitchell Parkway
Bryan, TX 77803

SDS Information: Phone: 800-262-7104

Section 2: Hazard(s) Identification

Classification

None Known

Label Elements

None Known

Precautionary Statement(s):

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)
Read label before use. (P103)

Section 3: Composition / Information on Ingredients

INGREDIENTS: The identity of the specific components of this mixture is proprietary information and regarded to be a trade secret, in accordance with the provisions of paragraph 1910.1200 of Title 29 of the Code of Federal Regulations. Please refer to section 2 for hazard identification.

Section 4: First Aid Measures

Eye Contact: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

Skin: First aid is not normally required. However, it is good practice to wash any chemical from the skin.

Inhalation: First aid is not normally required. If breathing difficulties develop, move victim away from source of exposure and into fresh air. Seek immediate medical attention

Ingestion: First aid is not normally required. However, if swallowed and symptoms develop, seek medical attention. Do NOT induce vomiting.

Most important symptoms and effects

Acute: Mild irritation

Delayed: None known

Section 5: Fire-Fighting Measures

NFPA 704 Hazard Class

Health: 1 Flammability: 1 Instability: 0 (0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)

HMIS®

Health: 1 Flammability: 1 Physical Haz: 0 (0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe, * -Chronic)

Extinguishing Media: Use material that is appropriate for the surrounding fire.

Specific Hazards Arising from the Chemical:

Unusual Fire & Explosion Hazards: For fires beyond the initial stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Cool equipment exposed to fire with water, if it can be done with minimal risk.

Hazardous Combustion Products: None known

Special Protection Actions for Firefighters: For fires beyond the initial stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Cool equipment exposed to fire with water, if it can be done with minimal risk.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Stop spill/release if it can be done with minimal risk. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways.

Environmental Precautions: Stop spill/release if it can be done with minimal risk. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways.

Methods for Containment and Clean-Up: Immediate cleanup of any spill is recommended. Dike far ahead of spill for later recovery or disposal. Absorb spill with inert material such as sand, earth or other non-combustible material, and place in suitable container for disposal.

Recommended measures are based on the most likely spillage scenarios for this material; however local conditions and regulations may influence or limit the choice of appropriate actions to be taken. See Section 13 for information on appropriate disposal.

Section 7: Handling and Storage

Precautions for safe handling: Use good personal hygiene practice.

Conditions for safe storage: Store only in approved containers. Protect container(s) against physical damage.

Section 8: Exposure Controls / Personal Protection

Component	ACGIH	OSHA	Other
Components	None known	None known	---

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

Personal Protective Equipment:

Eye/Face Protection: While contact with this material is not expected to cause irritation, the use of approved eye protection to safeguard against potential eye contact is considered good practice.

Skin/Hand Protection: Not required based on the hazards of the material. However, it is considered good practice to wear gloves when handling chemicals.

Respiratory Protection: Respiratory protection is not usually required.

A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (as directed by regulation or the manufacturer's instructions), in oxygen deficient (less than 19.5 percent oxygen) situations, or under conditions that are immediately dangerous to life and health (IDLH).

Other Protective Equipment: Eye wash and quick-drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse.

Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

Section 9: Physical and Chemical Properties

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

Appearance:	White&Blue
Physical Form:	Solid with liquid
Odor:	Pleasant fragrance
Odor Threshold:	No data
pH:	Not Applicable
Vapor Pressure:	No data
Vapor Density (air=1):	No data
Initial Boiling Point/Range:	205°C
Melting/Freezing Point:	No data
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water) (Kow):	No data
Specific Gravity (water=1):	No data
Evaporation Rate (nBuAc=1):	No data
Flash Point:	No data
Test Method:	Not Known
Lower Explosive Limits (vol % in air):	No data
Upper Explosive Limits (vol % in air):	No data
Auto-ignition Temperature:	No data

Section 10: Stability and Reactivity

Reactivity: Stable under normal ambient and anticipated conditions of use.

Chemical Stability: Stable under normal ambient and anticipated conditions of use.

Possibility of hazardous reactions: Hazardous reactions not anticipated.

Conditions to Avoid: None known.

Materials to Avoid (Incompatible Materials): None known.

Hazardous Decomposition Products: Not anticipated under normal conditions of use.

Hazardous Polymerization: Not known to occur.

Section 11: Toxicological Information

Information on Toxicological Effects of Substance/Mixture

<u>Acute Toxicity</u>	<u>Hazard</u>	<u>Additional Information</u>	<u>LC50/LD50 Data</u>
Inhalation	Unlikely to be harmful	----	No data
Skin Absorption	Unlikely to be harmful	----	No data
Ingestion (Swallowing)	Unlikely to be harmful	----	No data

Skin Corrosion/Irritation: May cause mild irritation.

Serious Eye Damage/Irritation: May cause mild irritation.

Signs and Symptoms: High concentrations may cause irritation of nose, throat and digestive tract.

Skin Sensitization: None reported

Respiratory Sensitization: None reported

Germ Cell Mutagenicity: None reported

Carcinogenicity: None reported. It is not listed by NTP, IARC or OSHA.

Reproductive Toxicity: None reported

Carcinogenicity: Not expected to cause cancer.

Germ Cell Mutagenicity: Not expected to cause heritable genetic effects.

Reproductive Toxicity: Not expected to cause reproductive toxicity.

Section 12: Ecological Information

Toxicity: No data. Not classified.

Persistence and Degradability: No data

Bioaccumulative Potential: No data

Mobility in Soil: No data

Other Adverse Effects: None anticipated.

Section 13: Disposal Considerations

Industrial Setting: The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

This material, if discarded as produced, would not be a federally regulated RCRA "listed" or "characteristic" hazardous waste. See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the MSDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

Household Setting: Consumer may discard or recycle where facilities exist.

Section 14: Transport Information

U.S. Department of Transportation (DOT)

Shipping Name: Not regulated

Section 15: Regulatory Information

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

CERCLA/SARA - Section 311/312 (Title III Hazard Categories)

Acute Health:	No
Chronic Health:	No
Fire Hazard:	No
Pressure Hazard:	No
Reactive Hazard:	No

CERCLA/SARA - Section 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372:

Component	Concentration ¹	de minimis
None Known	None Known	---

EPA (CERCLA) Reportable Quantity (in pounds):

None known

California Proposition 65:

Warning: This material may contain detectable quantities of the following chemicals, known to the State of California to cause cancer, birth defects or other reproductive harm, and which may be subject to the warning requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

Component or Potential Component	Type of Toxicity
None Known	None Known

International Hazard Classification

Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains information required by the Regulations.

WHMIS Hazard Class:

None known

National Chemical Inventories

All components are either listed on the US TSCA Inventory, or are not regulated under TSCA

All components are either on the DSL, or are exempt from DSL listing requirements

Section 16: Other Information

Date of Issue:

25-Mar-2015

Status:

Final

Previous Issue Date:

04-Oct-2011

Revised Sections or Basis for Revision:

Updated to HCS - 2012

Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

Disclaimer of Expressed and implied Warranties:

The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.