



Safety Data Sheet

Material Name: SAFETY-KLEEN PROFESSIONAL GLASS CLEANER READY TO USE

SDS ID: 82992

*** Section 1 - Identification ***

Product Identifier

SAFETY-KLEEN PROFESSIONAL GLASS CLEANER READY TO USE

Product Code

828

Synonyms

Aqueous solution of surfactants.

Recommended Use

Glass cleaner

Restrictions on Use

If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Manufacturer Information

Safety-Kleen Systems, Inc.
2600 North Central Expressway
Suite 200
Richardson, TX 75080

Phone: 1-800-669-5740
www.safety-kleen.com

Emergency # 1-800-468-1760

Issue Date

January 13, 2015

Supersedes Issue Date

March 12, 2012

Original Issue Date

September 1, 2005

*** Section 2 - Hazard(s) Identification ***

Classification in Accordance with 29 CFR 1910.1200.

Skin Corrosion / Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

Specific Target Organ Toxicity - Single Exposure, Category 3 (respiratory tract)

GHS LABEL ELEMENTS**Symbol(s)****Signal Word**

WARNING!

Hazard Statement(s)

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation

Precautionary Statement(s)**Prevention**

Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye/face protection. Wash thoroughly after handling.

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Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Disposal

Dispose in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

No additional information is available.

*** Section 3 - Composition / Information on Ingredients ***

CAS	Component	Percent
7732-18-5	Water	95-100
Proprietary	Proprietary Additives	0.1-1

*** Section 4 - First Aid Measures ***

Description of Necessary Measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

IF SWALLOWED: Get medical attention.

Most Important Symptoms/Effects

Acute

Respiratory tract irritation, skin irritation, eye irritation.

Delayed

No information on significant adverse effects.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

*** Section 5 - Fire-Fighting Measures ***

Suitable Extinguishing Media

Use extinguishing agents appropriate for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

This material will not burn.

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Hazardous Combustion Products

None under normal temperatures and pressures.

Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Fire Fighting Measures

Keep storage containers cool with water spray. Use methods suitable to fight surrounding fire.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Clean Up

Do not touch or walk through spilled product. Stop leak if you can do it without risk. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Mop up spill and rinse with water, or sorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal.

*** Section 7 - Handling and Storage ***

Precautions for Safe Handling

Use clean tools. Avoid breathing vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke when using this product. Read and follow label use directions. Do not mix with any other material.

Conditions for Safe Storage, Including Any Incompatibilities

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry, well-ventilated place. Empty product containers may retain product residue and can be dangerous. Store at 40 - 90°F (4 - 32.2°C). Avoid freezing to prevent bursting of the container. Store locked up.

Incompatibilities

Oxidizing materials, acids, bases, reducing agents.

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Appropriate Engineering Controls

Provide general ventilation. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

Individual Protective Measures, such as Personal Protective Equipment

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, Gloves, and Lab coat or apron.

Eyes/Face Protection

Safety glasses with side shields should be worn at a minimum. Additional protection, such as goggles, face shields, or respirators may be needed depending upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

Skin Protection

Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

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Respiratory Protection

It is not expected that using this product as recommended would require wearing a respirator. If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate respiratory protection must be provided. A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4 requirements must be followed whenever workplace conditions warrant use of a respirator.

*** Section 9 - Physical & Chemical Properties ***

Appearance/Odor : Blue liquid with camphor odor.

pH: 8.0

Boiling Point: 212°F (100°C)

Odor Threshold: Not available

Solubility (H2O): Soluble

Melting Point: Not available

Density: Not available

Specific Gravity: 1.00 (water = 1)

Evaporation Rate: 1.0 (butyl acetate = 1)

Octanol/H2O Coeff.: Not available

LFL: Not applicable

Auto Ignition Temperature: Not applicable

UFL: Not applicable

Flash Point: Not applicable

Vapor Pressure: Not available

Viscosity: Not available

Vapor Density: Not available

Other Property Information

No additional information is available.

*** Section 10 - Stability & Reactivity ***

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

Conditions To Avoid

Avoid freezing to prevent bursting of the container. Store at 40 - 90°F (4 - 32.2°C).

Incompatible Materials

Avoid acids, bases, oxidizing agents and reducing agents.

Hazardous Decomposition Products

None under normal temperatures and pressures.

*** Section 11 - Toxicological Information ***

Toxicity Data and Information

Component Analysis - LD50/LC50

Proprietary Additives (Proprietary)

Inhalation LC50 Rat 42.1 ppm 4 h

Information on Likely Routes of Exposure

Inhalation

May cause irritation.

Ingestion

May cause vomiting and digestive disorders.

Skin Contact

Causes skin irritation.

Eye Contact

Causes serious eye irritation

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Immediate Effects

High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). Causes skin irritation and eye irritation., Not likely to be absorbed through the skin in harmful amounts., May cause throat irritation. Acute ingestion may be harmful and cause nausea and vomiting.

Delayed Effects

Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

Based on best current information, there is no known human sensitization, mutagenicity, teratogenicity, or reproductive toxicity associated with this product.

Irritation/Corrosivity

Causes skin irritation and eye irritation.

Respiratory Sensitization

Based on best current information, there is no known human sensitization associated with this product.

Skin Sensitization

Based on best current information, there is no known human sensitization associated with this product.

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Germ Cell Mutagenicity

Based on best current information, there is no known mutagenicity associated with this product.

Teratogenicity

Based on best current information, there is no known teratogenicity associated with this product.

Reproductive Effects

Based on best current information, there is no known reproductive toxicity associated with this product.

Specific Target Organ Effects - Single Exposure

No target organs identified.

Specific Target Organ Effects - Repeated Exposure

No target organs identified.

Aspiration Hazard

No data available.

Medical Conditions Aggravated by Exposure

Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

*** Section 12 - Ecological Information ***

Ecotoxicity

Component Analysis - Ecotoxicity - Aquatic Toxicity

Proprietary Additives (Proprietary)

Duration/Test/Species

96 Hr LC50 Poecilia reticulata

Concentration/Conditions

841 mg/L [static]

Notes

Persistence and Degradability

No information available for the product.

Bioaccumulation Potential

No information available for the product.

Mobility in Soil

No information available for the product.

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Other Adverse Effects

No additional information is available.

*** Section 13 - Disposal Considerations ***

Disposal Methods

Not regulated. Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code applicable to the disposal of this product. Dispose in accordance with all applicable federal, state/regional and local laws and regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

*** Section 14 - Transport Information ***

Emergency Response Guide Number

Not applicable.

Transportation Regulations

DOT Shipping Name: Not regulated as a hazardous material.

TDG Shipping Name: Not regulated as a dangerous good.

*** Section 15 - Regulatory Information ***

Volatile Organic Compounds (As Regulated)

0.4 WT%; 0.03 LB/gal; 4 g/L

Product does not contain photochemically reactive solvent as per 40 CFR 51.100(s).

Product vapor pressure approx. 17.5 mmHg @ 20°C

Consult your state or local air district regulations for location specific information.

Federal Regulations

SARA 302/304

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA 311/312 Hazardous Categories

This product poses the following health hazard(s) as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

Immediate (Acute) Health Hazard

SARA Section 313

Component Analysis

This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

CERCLA

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

TSCA Inventory

All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

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Component	CAS #	TSCA
Water	7732-18-5	Yes
Proprietary Additives	Proprietary	Yes

U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

Canadian Regulations

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

Component Analysis

Component	CAS #	CAN
Water	7732-18-5	DSL
Proprietary Additives	Proprietary	DSL

Canadian WHMIS Information

D2B

*** Section 16 - Other Information ***

Revision Information

Reformat to OSHA HazCom 29 CFR 1910.1200 adoption of GHS Revision 3.

Updated: January 13, 2015

Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Disclaimer

User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.

End of Sheet 82992