



## Safety Data Sheet

Material Name: SAEFTY-KLEEN HEAVY DUTY AQUEOUS CLEANER

SDS ID: 82640

### \*\*\* Section 1 - Identification \*\*\*

#### Product Identifier

SAFETY-KLEEN HEAVY DUTY AQUEOUS CLEANER

#### Synonyms

Not applicable.

#### Recommended Use

Paint gun cleaner for water based products; lacquer thinner. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

#### Restrictions on Use

None known.

#### Manufacturer Information

Safety-Kleen Systems Inc.  
2600 North Central Expressway  
Suite 400  
Richardson, Texas 75080  
www.safety-kleen.com

Phone: 1-800-669-5740

Emergency # 1-800-468-1760

#### Issue Date

November 1, 2014

#### Supersedes Issue Date

April 24, 2013

#### Original Issue Date

September 16, 1994

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

#### Classification in Accordance with 29 CFR 1910.1200.

Skin Corrosion / Irritation, Category 1B

Eye Damage / Irritation, Category 1

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

Hazardous to the Aquatic Environment - Acute Hazard, Category 3

#### GHS LABEL ELEMENTS

##### Symbol(s)



##### Signal Word

DANGER!

##### Hazard Statement(s)

Causes severe skin burns and eye damage

May cause respiratory irritation

Harmful to aquatic life

##### Precautionary Statement(s)

##### Prevention

Do not breathe dust or mist. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

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## Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Specific treatment may be needed, see first aid section of Safety Data Sheet. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

## Storage

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

## Disposal

Dispose of in accordance with all applicable federal, state and local regulations.

## Hazard(s) Not Otherwise Classified

None known.

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

CAS	Component	Percent
7732-18-5	Water	95-99
108-01-0	2-(Dimethylamino) ethanol	1-5

### \*\*\* Section 4 - First Aid Measures \*\*\*

#### Description of Necessary Measures

##### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

##### Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

##### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

##### Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

#### Most Important Symptoms/Effects

##### Acute

Eye burns, skin damage, respiratory tract irritation.

##### Delayed

No information on significant adverse effects.

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

Treat symptomatically and supportively.

### \*\*\* Section 5 - Fire-Fighting Measures \*\*\*

#### Suitable Extinguishing Media

Use carbon dioxide, regular dry chemical, regular foam or water.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

#### Specific Hazards Arising from the Chemical

Negligible fire hazard.

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## Hazardous Combustion Products

Product does not burn, but may decompose upon heating to produce nitrogen oxides and carbon monoxide.

## Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

## Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Withdraw immediately if any discoloration of tanks occurs due to fire. Stay away from the ends of tanks. For tank, rail car or tank truck, evacuation radius: 800 meters (1/2 mile). Do not scatter spilled material with high-pressure water streams. Apply water from a protected location or from a safe distance. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Dike for later disposal.

NFPA Ratings: Health: 2 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. Wear protective equipment and provide engineering controls as specified in Section 8: Exposure Control/Personal Protection. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal.

Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Precautions for Safe Handling

Do not breathe vapor or mist. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area.

### Conditions for Safe Storage, Including Any Incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep separated from incompatible substances. See SECTION 14: Transportation Information for Packing Group information.

### Incompatibilities

Acids, oxidizing materials, reactive metals.

## \*\*\* 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 adequate local exhaust ventilation to maintain worker exposure below 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, lab coat or apron.

### Eyes/Face Protection

Eye 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.

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## Skin Protection

Where skin contact is likely, wear chemical impervious protective gloves; use of polyvinyl alcohol (PVA) or equivalent gloves is not recommended.

To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

## Respiratory Protection

Use NIOSH-certified, full-face, air-purifying respirators with P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.

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

<b>Appearance/Odor :</b> Liquid, colorless to pale yellow, amine odor. Not available	<b>pH:</b> 10
<b>Boiling Point:</b> 212°F (100°C)	<b>Odor Threshold:</b> 0.04 ppb
<b>Solubility (H2O):</b> Complete	<b>Melting Point:</b> 32°F (0°C)
<b>Density:</b> 8.34 LB/US gal (1000 g/l)	<b>Specific Gravity:</b> 1 (water = 1)
<b>Evaporation Rate:</b> Less than 1 (butyl acetate = 1)	<b>Octanol/H2O Coeff.:</b> Not available.
<b>LFL:</b> Not applicable	<b>Auto Ignition Temperature:</b> Not applicable
<b>UFL:</b> Not applicable	<b>Flash Point:</b> Not applicable (product will not burn)
<b>Vapor Pressure:</b> 17.5 mm Hg at 68°F (20°C)	<b>Viscosity:</b> Not available
<b>Decomposition Temperature:</b> Not available	<b>Vapor Density:</b> Greater than 1 (air = 1)

## Other Property Information

No 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

Will not polymerize.

### Conditions To Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

### Incompatible Materials

Avoid acids, oxidizing agents, and reactive metals.

### Hazardous Decomposition Products

None under normal temperatures and pressures., See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Toxicity Data and Information

#### Component Analysis - LD50/LC50

##### 2-(Dimethylamino) ethanol (108-01-0)

Dermal LD50 Rabbit 1220 mg/kg; Inhalation LC50 Rat 1641 ppm 4 h; Oral LD50 Rat 1803 mg/kg

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## Information on Likely Routes of Exposure

### Inhalation

No information on significant adverse effects.

### Ingestion

No information on significant adverse effects.

### Skin Contact

Causes severe skin burns and eye damage.

### Eye Contact

Causes serious eye damage.

### Immediate Effects

Eye damage, skin damage, respiratory tract irritation.

### Delayed Effects

No information on significant adverse effects.

### Irritation/Corrosivity

Skin burns, eye damage, respiratory tract irritation.

### Respiratory Sensitization

No information available for the product.

### Skin Sensitization

No information available for the 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

N,N-Dimethylethanolamine has demonstrated animal effects of teratogenicity.

Based on best current information, the other component listed in **Section 2** is not a teratogen.

#### Reproductive Effects

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

#### Specific Target Organ Effects - Single Exposure

Respiratory tract irritation.

#### Specific Target Organ Effects - Repeated Exposure

None identified.

#### Aspiration Hazard

No information available for the product.

#### Medical Conditions Aggravated by Exposure

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

## \* \* \* Section 12 - Ecological Information \* \* \*

### Ecotoxicity

#### Component Analysis - Ecotoxicity - Aquatic Toxicity

##### 2-(Dimethylamino) ethanol (108-01-0)

Duration/Test/Species	Concentration/Conditions	Notes
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96 Hr LC50 Pimephales promelas	81 mg/L [static]	
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72 Hr EC50 Desmodemus subspicatus	35 mg/L	
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48 Hr EC50 Daphnia magna	98.77 mg/L	
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## 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.

## 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 of in accordance with all applicable federal, state and local 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 \*\*\*

### International 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)

<2.5 WT%; <0.20 LB/US gal: <25 g/L

As per 40 CFR Part 51.100(s)

VOC Vapor Pressure 17.5 mm Hg @ 20 °C

Product is not photochemically reactive.

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

**Acute Health:** Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

#### 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
2-(Dimethylamino) ethanol	108-01-0	Yes

## U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	MA	MN	NJ	PA	CA
2-(Dimethylamino) ethanol	108-01-0	No	Yes	No	Yes	Yes

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

This product does not contain detectable amounts of any chemical known to the State of California to cause cancer.

This product does not contain detectable amounts of any chemical known to the State of California to cause birth defects or other reproductive harm.

## Canadian Regulations

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

## Component Analysis

Component	CAS #	CAN
Water	7732-18-5	DSL
2-(Dimethylamino) ethanol	108-01-0	DSL

## Canadian WHMIS Information

D2B, E.

\*\*\* Section 16 - Other Information \*\*\*

## Revision Information

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

## Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; 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; DFG - Deutsche Forschungsgemeinschaft; 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; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; 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; RID - European Rail Transport; 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 product. 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 expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplier to the user.

End of Sheet 82640