



Safety Data Sheet

Material Name: SAFETY-KLEEN PROFESSIONAL OIL & LIQUID ABSORBENT

SDS ID: 820097

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

SAFETY-KLEEN PROFESSIONAL OIL & LIQUID ABSORBENT

Product Code

7646

Synonyms

Diatomaceous earth, natural.

Product Use Recommended Use

Industrial absorbent. If this product is used in combination with other products, refer to the Safety Data Sheet for those products. THIS PRODUCT IS AN ABSORBENT AND WILL TAKE ON THE CHARACTERISTICS OF THE MATERIALS ABSORBED. REFER TO THE SAFETY DATA SHEET FOR THE ABSORBED MATERIAL.

Restrictions on Use

CAUTION! DO NOT USE WITH HYDROFLUORIC ACID OR CONCENTRATED ACID SOLUTIONS!

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Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with Schedule 1 of Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200

None needed according to classification criteria.

GHS Label Elements

Symbol(s)

None needed according to classification criteria.

Signal Word

None needed according to classification criteria

Hazard Statement(s)

None needed according to classification criteria.

Precautionary Statement(s)

Prevention

None needed according to classification criteria.

Response

None needed according to classification criteria. If exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air. Blow nose to evacuate dust. Call a POISON CENTER or

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doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously for several minutes. Remove contacts if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Storage

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

Disposal

Dispose in accordance with all applicable regulations. This product will take on the characteristics of the materials being absorbed. Refer to the safety data sheet for the absorbed material.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
61790-53-2 or 7631-86-9	Diatomaceous earth, natural (kieselguhr)	0-100

Section 4 - FIRST AID MEASURES

Inhalation

IF INHALED: Remove person to fresh air. Blow nose to evacuate dust. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

IF ON SKIN: If skin irritation occurs: Get medical advice/attention. Use suitable lotion to moisten skin if dryness occurs.

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: Drink generous amounts of water to reduce bulk and drying effect.

Most Important Symptoms/Effects

Acute

Dust may cause irritation due to abrasive action. Repeated or prolonged contact may cause dermatitis with redness, dryness and itching. Dust may cause irritation of the nose, throat and upper respiratory tract. Repeated or prolonged inhalation of dust may cause lung injury.

Delayed

No information on significant adverse effects.

Indication of any immediate medical attention and special treatment needed

Immediate attention is not normally required. If dust irritates the eyes, seek medical attention.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use extinguishing agents appropriate for surrounding fire.

Unsuitable Extinguishing Media

None known.

Special Hazards Arising from the Chemical

Negligible fire and explosion hazard in bulk form.

Hazardous Combustion Products

Not applicable, the material is not combustible.

Fire Fighting Measures

Use measures appropriate for surrounding fire.

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Special Protective Equipment and Precautions for Firefighters

Use protection appropriate for surrounding fire.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

If dust is present, use respirator fitted with particulate filter as specified in Section 8. Wear chemical safety goggles. Ventilate the area. Not considered to be an environmental hazard. Shovel material into appropriate container for disposal.

Methods and Materials for Containment and Cleaning Up

Do not touch or walk through spilled product. Avoid generating dust. Isolate hazard area. Place in a container for later use or disposal.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Minimize dust generation and accumulation. Do not breathe dust. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

Conditions for Safe Storage, Including any Incompatibilities

Store in a dry place to maintain packaging integrity and product quality. Do not store near hydrofluoric acid or strongly basic material.

Incompatible Materials

Hydrofluoric acid, concentrated sodium hydroxide solutions, alkaline materials.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Diatomaceous earth	61790-53-2
British Columbia	4 mg/m3 TWA (total); 1.5 mg/m3 TWA respirable
New Brunswick	3 mg/m3 TWA particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction ; 10 mg/m3 TWA particulate matter containing no Asbestos and <1% Crystalline silica, inhalable fraction
Northwest Territories, Nunavut, Saskatchewan	10 mg/m3 TWA inhalable fraction ; 3 mg/m3 TWA respirable fraction 20 mg/m3 STEL inhalable fraction ; 6 mg/m3 STEL respirable fraction
Quebec	6 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica) total dust
OSHA	((80)/(% SiO ₂) mg/m3 TWA); 20 mppcf TWA
Silica, amorphous	7631-86-9
Yukon	300 particle/mL TWA (as measured by Konimeter instrumentation); 20 mppcf TWA (as measured by Impinger instrumentation); 2 mg/m3 TWA respirable mass
NIOSH	6 mg/m3 TWA; 3000 mg/m3 IDLH

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OSHA (US)	((80)/(% SiO ₂) mg/m ³ TWA); 20 mppcf TWA
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ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

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.

Where explosive mixtures may be present, equipment safe for such locations should be used.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

Respiratory Protection

A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

Skin Protection/Glove Recommendations

Wear appropriate chemical resistant gloves for material being absorbed.

Protective Materials

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.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Buff to off-white granules	Physical State	Solid
Odor	No characteristic odor	Color	Off-white to tan
Odor Threshold	Not available	pH	7
Melting Point	>1300 °C (2372 °F)	Boiling Point	Not available
Boiling Point Range	Not available	Freezing point	Not available
Evaporation Rate	Not available	Flammability (solid, gas)	Not available
Autoignition Temperature	Not available	Flash Point	Not available
Lower Explosive Limit	Not available	Decomposition temperature	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available
Vapor Density (air=1)	Not available	Specific Gravity (water=1)	2.2 (Water = 1)
Water Solubility	<1 %	Partition coefficient: n-octanol/water	Not available
Viscosity	Not available	Kinematic viscosity	Not available
Solubility (Other)	Not available	Density	Not available

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Physical Form

Granules

Molecular Weight

Not available

Section 10 - STABILITY AND REACTIVITY

Reactivity

Material is not reactive.

Chemical Stability

Material is stable.

Possibility of Hazardous Reactions

Material is not reactive.

Conditions to Avoid

Avoid accumulation of airborne dusts.

Incompatible Materials

Hydrofluoric acid, concentrated sodium hydroxide solutions, alkaline materials.

Hazardous decomposition products

Not applicable.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing, and general throat irritation. Chronic inhalation of dust should be avoided.

Skin Contact

Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

Eye Contact

May cause eye irritation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis).

Ingestion

May cause irritation.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Silica, amorphous (7631-86-9)

Oral LD50 Rat 7900 mg/kg (in olive oil ;no deaths occurred); Dermal LD50 Rabbit >5000 mg/kg (no deaths occurred); Inhalation LC50 Rat >2.2 mg/L 1 h

Product Toxicity Data

Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Oral	> 2000 mg/kg

Immediate Effects

May cause respiratory tract irritation, skin irritation, eye irritation.

Delayed Effects

No known significant effects.

Irritation/Corrosivity Data

May cause respiratory tract irritation, skin irritation, eye irritation.

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Respiratory Sensitization

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

Dermal Sensitization

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

Component Carcinogenicity

Diatomaceous earth	61790-53-2
IARC:	Monograph 68 [1997] (Group 3 (not classifiable))
Silica, amorphous	7631-86-9
IARC:	Monograph 68 [1997] ; Supplement 7 [1987] (Group 3 (not classifiable))

Germ Cell Mutagenicity

Based on best current information, there are no mutagenic effects associated with this product.

Tumorigenic Data

No information on significant adverse effects.

Reproductive Toxicity

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

Specific Target Organ Toxicity - Single Exposure

No significant target effects reported.

Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

Aspiration hazard

Not expected to be an aspiration hazard.

Medical Conditions Aggravated by Exposure

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

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

No information available for the product.

Component Analysis - Aquatic Toxicity

Silica, amorphous	7631-86-9
Fish:	LC50 96 h Brachydanio rerio 5000 mg/L [static]
Algae:	EC50 72 h Pseudokirchneriella subcapitata 440 mg/L IUCLID
Invertebrate:	EC50 48 h Ceriodaphnia dubia 7600 mg/L IUCLID

Persistence and Degradability

Non-biodegradable, inert.

Bioaccumulative Potential

Little potential for bioaccumulation.

Mobility

No mobility in soil.

Other Toxicity

No additional information is available.

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Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product. Contact Safety-Kleen regarding proper recycling or disposal.

Section 14 - TRANSPORT INFORMATION

US DOT Information: Not regulated for transport.

IATA Information: Not regulated for transport.

IMDG Information: Not regulated for transport.

TDG Information: Not regulated for transport.

International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Section 15 - REGULATORY INFORMATION

Canada Regulations

CEPA - Priority Substances List

None of this product's components are on the list.

Ozone Depleting Substances

None of this product's components are on the list.

Council of Ministers of the Environment - Soil Quality Guidelines

None of this product's components are on the list.

Council of Ministers of the Environment - Water Quality Guidelines

None of this product's components are on the list.

U.S. Federal Regulations

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting 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

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
Silica, cristobalite	14464-46-1	No	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product can expose you to chemicals including silica, cristobalite, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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Component Analysis - Inventory

Diatomaceous earth (61790-53-2)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	NSL	No	Yes	No	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

Silica, amorphous (7631-86-9)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 1 Fire: 1 Instability: 0

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

Summary of Changes

Regulatory review and update.

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; KR REACH CCA - Korea

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Registration and Evaluation of Chemical Substances Chemical Control Act; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; Ne - Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL – Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TH-TECI - Thailand - FDA Existing Chemicals Inventory (TECI); TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

Other Information

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 supplied to the user.