

SAFETY DATA SHEET

Section 1. Product And Company Identification

Product Name: Super Sep

Product Use: Dental product: Stone separating agent

Manufacturer: Kerr Corporation
1717 W. Collins Ave.
Orange, CA 92867-5422
U.S.A.

Information Phone Number: 1-800-841-1428 (Customer Service)

Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

SDS Date of Preparation/Revision: May 10, 2019

Section 2. Hazards Identification

GHS Classification:

Flammable Liquids Category 2

Serious Eye Damage/Eye Irritation Category 1

Specific Target Organ Toxicity Single Exposure Category 3 (Narcosis)

Specific Target Organ Toxicity Repeated Exposure Category 2

Label Elements:

Danger!



Hazard Phrases

Highly flammable liquid and vapor.

Causes serious eye damage.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Precautionary Phrases:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe vapor.

Use only outdoors or in a well-ventilated area.

Wear protective gloves, eye or face protection.

Get medical attention if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

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

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.

Store in a well ventilated place.

Store locked up.

Dispose of contents and container in accordance with local and national regulations.

Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Propan-2-ol, isopropyl alcohol, isopropanol	67-63-0	30-60%
2-methylpropan-1-ol, iso-butanol	78-83-1	5-10%
2-methoxy-1-methylethyl acetate	108-65-6	1-5%
Stearic acid	57-11-4	1-5%

Section 4. First Aid Measures

Inhalation: Immediately remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

Skin Contact: Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated clothing before re-use.

Eye Contact: Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

Ingestion: Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Keep the victim calm and warm. Get immediate medical attention.

Most important symptoms and effects, acute and delayed: If in eyes, can cause serious eye damage. If inhaled, can cause central nervous system depression, drowsiness and dizziness. May be fatal if swallowed and enters airway.

Indication of immediate medical attention and special treatment, if needed: None required under normal conditions of use.

Section 5. Fire Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Combustion may produce Carbon dioxide, Carbon monoxide.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where

chemicals are used or stored. Cool fire-exposed containers with water. Contain water used in firefighting from entering sewers or natural waterways.

Section 6: Accidental Release Measures

Personal precautions, Protective equipment, and Emergency procedures: Evacuate spill area and keep unprotected personnel away. Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment.

Environmental Precautions: Avoid releases to the environment. Report spill as required by local and federal regulations.

Methods and Materials for Containment and Cleaning up: Prompt cleanup and removal are necessary. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. For small spills, absorb with an inert dry material and place in an appropriate waste disposal container. For large spills, scoop solid spill into closing containers. Take up liquid spill into absorbent material. Contain and collect spillage with non-combustible material. Notify authorities if product enters sewers or public waters.

Section 7. Handling and Storage

Precautions for Safe Handling: Prevent contact with eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area. Use with adequate ventilation. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated area away from direct sunlight. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Section 8. Exposure Controls / Personal Protection

Exposure Limits

Chemical	Exposure Limit
Propan-2-ol, isopropyl alcohol, isopropanol	200 ppm TWA ACGIH TLV 400 ppm STEL ACGIH TLV
2-methylpropan-1-ol, iso-butanol	50 ppm TWA NIOSH REL 150 mg/m ³ TWA NIOSH REL
2-methoxy-1-methylethyl acetate	50 ppm TWA AIHA WEEL
Stearic acid	None Established

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Respiratory Protection: In operations where exposure levels are exceeded, an approved dust/mist respirator or supplied air respirator should be used. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice.

Hand protection: Impervious gloves are suggested to prevent skin contact. Contact your glove supplier for selection assistance.

Eye Protection: Chemical safety goggles are recommended if contact is possible.

Skin Protection: Wear protective clothing as needed to avoid skin contact and contamination of personal clothing.

Hygiene measures: Suitable eye and skin washing facilities should be available in the work area.

Section 9. Physical and Chemical Properties

Appearance:	Orange liquid	Odor:	Kerosene
Odor Threshold:	Not available	pH:	Not available
Melting/Freezing Point:	Not available	Boiling Point/Range:	83°C (181.4°F)
Flash Point:	Closed cup: 13°C (55.4°F)	Evaporation Rate:	Not available
Flammability: (Solid, Gas)	Not applicable	Flammability Limits:	LEL: 2 vol % UEL: 12.7 vol %
Vapor Pressure:	Not available	Vapor Density:	Not available
Relative Density:	0.83	Solubilities:	Insoluble in water
Partition Coefficient: (N-Octanol/Water)	Not available	Autoignition Temperature:	Not available
Decomposition Temperature:	Not available	Viscosity:	Dynamic: < 2500 cP at 23°C Kinematic: > 7 cm ² /s at 23°C

Section 10. Stability and Reactivity

Reactivity: The product is not expected to be reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to avoid: No flames, no sparks. Eliminate all sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible Materials: Oxidizing agent.

Hazardous decomposition products: None if stored normally.

Section 11. Toxicological Information

Potential Health Effects:

Inhalation: Inhalation can cause central nervous system depression and may cause drowsiness and dizziness.

Skin Contact: Prolonged skin contact may cause skin dryness and irritation.

Eye Contact: Causes serious eye damage.

Ingestion: Can cause central nervous system depression. May be fatal if swallowed and entered airways.

Chronic Hazards: May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can lead to skin irritation, cracking and/or dermatitis.

Eye damage/ irritation: Causes serious eye damage.

Skin Sensitization: No adverse effects expected. Components are not sensitizers.

Respiratory Sensitization: No data available. This product is not expected to cause respiratory sensitization.

Germ Cell Mutagenicity: None of the components have shown mutagenic activity in animal studies.

Carcinogen: None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

Developmental / Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness, narcotic effects and respiratory tract irritation.

Specific Target Organ Toxicity (Repeated Exposure): Repeated exposure to isopropyl alcohol may cause effects on kidneys and liver.

Aspiration Toxicity: Not an aspiration hazard.

Acute Toxicity Values:

Product ATE: 5125.1 mg/kg (Oral); 31754.2 mg/kg (Dermal); 179.3 mg/L (Inhalation as vapors)
 Propan-2-ol, isopropyl alcohol, isopropanol: LC50 Inhalation rat: 72.6 mg/L/4hr;
 LD50 Oral rat: 4710 mg/kg; LD50 Dermal Rat: 12800 mg/kg
 2-methylpropan-1-ol, iso-butanol: LC50 Inhalation rat: 6.5 mg/L/4hr; LD50 Oral rat: 2460 mg/kg;
 LD50 Dermal rabbit: 3400 mg/kg
 2-methoxy-1-methylethyl acetate: LC50 Inhalation rat: < 30 mg/L; LD50 Oral rat: 6200 mg/kg;
 LD50 Dermal rabbit: < 5000 mg/kg
 Stearic acid: LD50 Oral rat: 4600 mg/kg; LD50 Dermal rabbit: >5000 mg/kg

Section 12. Ecological Information

Toxicity:

Propan-2-ol, isopropyl alcohol, isopropanol: 96 hr LC50 Rasbora heteromorpha 4200 mg/L;
 48 hr EC50 Daphnia magna 13300 mg/L

2-methylpropan-1-ol, iso-butanol: 96 hr LC50 Rainbow trout 17.8 mg/kg; 48 hr EC50 Daphnia magna 1030 mg/L
2-methoxy-1-methylethyl acetate: 96 hr LC50 Pimephales promelas 161 mg/L;
48 hr EC50 Daphnia magna 408 mg/L

Persistence and degradability: Product is readily biodegradable.

Bioaccumulative Potential:

Propan-2-ol, isopropyl alcohol, isopropanol: log P_{ow} 0.05, potential for bioaccumulative is low.
2-methylpropan-1-ol, iso-butanol: log P_{ow} 1, potential for bioaccumulative is low.
2-methoxy-1-methylethyl acetate: log P_{ow} 1.2, potential for bioaccumulative is low.
Stearic acid has a BCF of 238 to 288, log P_{ow} 8.23, potential for bioaccumulative is low.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Section 13. Disposal Considerations

Disposal: For unused product, dispose of in accordance with Federal and local regulations.

Container Disposal: Dispose of empty container in accordance with Federal and local regulations.

Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	UN1219	Isopropanol Solution	3	II	None
EU ADR/RID	UN1219	Isopropanol Solution	3	II	None
IMDG	UN1219	Isopropanol Solution	3	II	None
IATA/ICAO	UN1219	Isopropanol Solution	3	II	None

Special Precautions for User: None identified

Transport in Bulk According to Annex II MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

Section 15. Regulatory Information

U.S. Federal Regulations:

EPA SARA 311/312 Hazard Classification: Refer to Section 2 for OSHA Hazard Classification.

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Propan-2-ol, isopropyl alcohol, isopropanol	67-63-0	30-60%
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Protection Of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

International Inventories

US EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

Canada CEPA: All of the components of this material are listed on the DSL or exempt.

Section 16. Other Information

Effective Date: May 10, 2019

Supersedes Date: December 11, 2018

Revision Summary: Sections 2, 3, 4, 6, 8, 9, 10, 11, 12, 15 – Updated composition.

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