



SAFETY DATA SHEET
Safe n Easy Oil and Grease Remover

Section 1 Identification

Product Name: Safe n Easy Oil and Grease Remover

Recommended use: Masonry Cleaner
Restrictions on use: Use only as directed

Manufactured by:
DUMOND CHEMICALS, INC
83 General Warren Blvd.
Suite 190
Malvern, Pennsylvania 19355
(609)-655-7700

Emergency phone number: (800)457-4280 (InfoTrac) #79363

SDS Date of Preparation: 8/14/15

Section 2. Hazard(S) Identification

Classification:

Physical	Health
Not Hazardous	Skin Corrosion Category 1C Eye Damage Category 1 Specific Target Organ Toxicity Repeat Exposure Category 2

Label Requirements:

Danger!



Hazard statement(s)

Causes severe skin burns and eye damage.
May cause damage to respiratory tract through prolonged or repeated exposure by inhalation.

Precautionary statement(s)

Do not breathe mist, vapors or spray.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection and face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water.
Wash contaminated clothing before reuse.

Immediately call a POISON CENTER or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor.
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.
Get medical attention if you feel unwell.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Concentration
Sodium Metasilicate	6834-92-0	1-5%
Tetrasodium EDTA	64-02-8	1-5%
Potassium Hydroxide	1310-58-3	1-5%

The specific identity and/or exact percentage has been withheld as a trade secret.

Section 4. First-Aid Measures

Eye Contact: Immediately flush eye with water for at least 20 minutes while lifting the upper and lower lids. Get immediate medical attention.

Skin Contact: Immediately flush skin with large amounts of water for 15 minutes. Wash skin with soap and water to remove any traces of the chemical. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes and other items that cannot be decontaminated. Get immediate medical attention.

Inhalation: Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get immediate medical attention.

Ingestion: If conscious, rinse mouth with water. Do not induce vomiting unless directed by emergency personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: Corrosive. Causes severe irritation or burns to the eyes and skin. May cause permanent eye damage. Mist and vapors may cause mucous membrane and upper respiratory tract irritation with coughing, sore throat and difficulty in breathing. Swallowing may cause burns to the mouth, throat and stomach. May cause reproductive and developmental effects based on animal data.

Indication of immediate medical attention and special treatment, if necessary: Get immediate medical attention for all routes of exposure.

Section 5. Fire-Fighting Measures

Suitable extinguishing media: Use any media appropriate for surrounding fire.

Specific hazards arising from the chemical: Combustion may produce carbon, potassium and sodium oxides.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water spray.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing to prevent eye and skin contact. Evacuate and ventilate area.

Environmental hazards: Prevent runoff to storm sewers and ditches leading to natural waterways. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Collect spilled material with inert material and place into a closable container for disposal. Wash spill area with water.

Section 7. Handling and Storage

Precautions for safe handling: Prevent eye and skin contact. Do not breathe vapors or mists. Use only with adequate ventilation and appropriate protective clothing (See Section 8). Immediately remove and launder contaminated clothing before re-use. Discard contaminated shoes and other items that cannot be decontaminated. Wash thoroughly after handling.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities: Store in a cool, well ventilated area away. Protect containers from physical damage.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Sodium Metasilicate	None Established
Tetrasodium EDTA	None Established
Potassium Hydroxide	2 mg/m3 STEL ACGIH TLV

Appropriate engineering controls: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

Individual protection measures, such as personal protective equipment:

Respiratory Protection: If the exposure limits are exceeded, an approved full facepiece particulate respirator, supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: Chemical resistant, impervious gloves such as Viton are recommended to prevent skin contact.

Eye protection: Wear chemical safety goggles and/or faceshield to prevent eye contact unless a full facepiece respirator is used. Do not wear contact lenses.

Other: Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible. A safety shower and an eye wash facility should be available in the immediate work area.

Section 9. Physical and Chemical Properties

Appearance (physical state, color, etc.): Clear water white liquid

Odor: Mild soapy odor

Odor threshold: Not available	pH: 12.3
Melting point/freezing point: Not available	Boiling point: 212°F (100°C)
Flash point: Not flammable	Evaporation rate: Same as Water
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Same as water	Vapor density: Not available
Relative density: 1.045	Solubility in Water: Complete
Partition coefficient: n-octanol/water: Not applicable	Auto-ignition temperature: Not applicable
Decomposition temperature: Not available	Viscosity: Not available

Section 10. Stability and Reactivity

Reactivity: Reacts with metals.

Chemical stability: This material is stable.

Possibility of hazardous reactions: Contact with metals for a prolonged period may release flammable hydrogen gas.

Conditions to avoid: None known.

Incompatible materials: Avoid oxidizing agents and acids.

Hazardous decomposition products: Thermal decomposition may produce oxides of carbon, sodium and potassium.

Section 11. Toxicological Information

Likely routes of exposure:

Inhalation: Mist and vapors may cause respiratory irritation with coughing and labored breathing. High vapor concentrations may cause lung damage.

Skin Contact: Contact may cause severe irritation or burns to the skin. Burns may not be immediately painful or visible. Treat all contact immediately and get medical attention.

Eye Contact: Contact may cause severe irritation or burns with redness, pain, and swelling. Permanent damage may occur.

Ingestion: Swallowing may cause irritation of the mouth, throat or stomach.

Chronic Effects of Overexposure: Prolonged overexposure to sodium metasilicate may cause lung damage by inhalation.

Sensitization: None of the components are known to cause sensitization in animals or humans.

Reproductive Toxicity: None of the components have been shown to cause reproductive and developmental effects based on animal studies.

Mutagenicity: None of the components have been found to be mutagenic.

Carcinogenicity: None of the components are listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.

Acute Toxicity:

Acute Toxicity Estimate: Oral 5319, Inhalation: 390 mg/L/4 hr

Sodium Metasilicate: Oral rat LD50 1152 mg/kg, Inhalation rat LC50 >2.06 mg/L/4 hr, Dermal rabbit LD50 >5000 mg/kg

Tetrasodium EDTA; Oral rat LD50 1913 mg/kg

Potassium Hydroxide: Oral rat LD50 333 mg/kg

Section 12. Ecological Information

Ecotoxicity:

Sodium Metasilicate: 96 hr LC50 Danio rerio 210 mg/L, 48 hr EC50 daphnia magna 180 mg/L, 72 hr EC50 Desmodemus subspicatus 207 mg/L
Tetrasodium EDTA: 96 hr LC50 Lepomis macrochirus 121 mg/L, 24 hr EC50 daphnia magna 625 mg/L, 72 hr EC50 Pseudokirchnerella subcapitata >100 mg/L
Potassium Hydroxide: No data available

Persistence and degradability: Tetrasodium EDTA is inherently biodegradable.

Bioaccumulative potential: This product is not expected to bioaccumulate in aquatic organisms.

Mobility in soil: No data available

Other adverse effects: None known.

Section 13. Disposal Considerations

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

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN1760	Corrosive Liquid n.o.s. (sodium metasilicate, potassium hydroxide and tetrasodium EDTA)	8	PG III	
TDG	UN1760	Corrosive Liquid n.o.s. (sodium metasilicate, potassium hydroxide and tetrasodium EDTA)	8	PG III	
IMDG	UN1760	Corrosive Liquid n.o.s. (sodium metasilicate, potassium hydroxide and tetrasodium EDTA)	8	PG III	
IATA	UN1760	Corrosive Liquid n.o.s. (sodium metasilicate, potassium hydroxide and tetrasodium EDTA)	8	PG III	

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None Known

Section 15. Regulatory Information

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Potassium Hydroxide (5% maximum) of 1,000 lbs, is 20,000 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 Hazard Classification: Acute health, Chronic health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity: None

Canadian Environmental Protection Act: All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

Section 16. Other Information

NFPA Rating: Health = 3 Flammability = 0 Instability = 0
HMIS Rating: Health = 3 Flammability = 0 Physical Hazard = 0

SDS Revision History: New Formula, Converted to GHS format, all sections revised.

Date of preparation: August 14, 2015

Date of last revision: May 18, 2011