

# SAFETY DATA SHEET

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

Product Name Grease Chisel

K242

**Other Means of Identification**

Product Code K 242

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use**

Cleaner degreaser

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address**

KAYLINE COMPANY  
PO BOX 603207  
CLEVELAND, OH 44103

**Emergency Telephone Number**

Company Phone Number 1-216-566-9858  
Emergency Telephone 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

**GHS Classification**

Skin Corrosion/Irritation: Category 1A

Eye Damage/Irritation: Category 1

Skin Sensitizer: Category 1

**Signal Word**

DANGER

**Symbols**



**Emergency Overview:**

**Physical State:** Liquid

Color: Orange, clear

Odor: Citrus

**OSHA/HCS status:** This material is considered hazardous by the OSHA Hazard Communication Standard(29 CFR 1910.1200).

**Hazard Statements**

CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
MAY CAUSE AN ALLERGIC SKIN REACTION.

**Precautionary Statements-Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not breathe dusts/mists/vapors or spray.  
Contaminated work clothing must not be allowed out of the workplace.

**Precautionary Statements – Response**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).  
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.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor.

**Precautionary Statements – Storage**

Store locked up.

**Precautionary Statements – Disposal**

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	75-80
Sulfonic Acid	68584-22-5	1-5
Benzenesulfonic acid, dodecyl	90194-54-0	2
Surfactant	Mixture	1-5
Monoethanolamine	141-43-5	3
EDTA	64-02-8	1-5
Orange terpenes	5989-27-5	1-5
Ethylene Glycol Monobutyl Ether	111-76-2	1-5

The balance of the chemicals in this mixture are either considered nonhazardous or are below the listing limits for hazardous substances. These chemicals are considered trade secrets. The specific identity of these chemicals is available to health professionals.

### 4. FIRST AID MEASURES

**First Aid Measures****Eye Contact**

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.

**Skin Contact**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). Wash contaminated clothing before reuse. Immediately call a poison center or doctor.

<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms** Direct contact with eyes causes serious damage. Substance causes serious skin burns.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

None

**Specific Hazards Arising from the Chemical**

Dried product is capable of burning. Combustion products are toxic.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** For small spills, absorb on poly-pads or other suitable non-reactive absorbent material. Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Sweep up and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist.

**Conditions for Safe Storage, Including any Incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.
<b>Incompatible Materials</b>	Strong acids/oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACHIH TLV	OSHA PEL	NIOSH IDLH
Sulfonic Acid 68584-22-5	No data available	No data available	No data available
Benzenesulfonic acid, dodecyl 90194-54-0	Data not available	Data not available	Data not available
Surfactant 68604-71-7	No data available	No data available	No data available
Monoethanolamine 141-43-5	STEL: 6ppm 15 min. TWA: 3ppm 8h	TWA: 3ppm 8h	No data available
EDTA 64-02-8	No data available	No data available	No data available
Orange terpenes	No data available	No data available	No data available
Ethylene Glycol Monobutyl Ether 111-76-2	20 ppm TWA	50 ppm, 24 mg/m <sup>3</sup> TWA OSHA Z-1 240 mg/m <sup>3</sup> TWA OSHA P0	5 ppm, 24 mg.m <sup>3</sup> TWA

**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or other biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Appropriate Engineering Controls:** Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and the using the bathroom and at the end of the working periods.

**Individual Protection Measures, such as Personal Protective Equipment**

<b>Eye/Face Protection</b>	Avoid contact with eyes. Wear safety eyewear.
<b>Skin and Body Protection</b>	Wear suitable protective clothing. Use impervious gloves.
<b>Respiratory Protection</b>	Not required with expected use. Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

Physical State	Liquid	Odor	Orange
Appearance	Clear Orange Liquid	Odor Threshold	Not determined
Color	Orange		

<b>Property</b>	<b>Values</b>
pH	10
Melting Point/Freezing Point	Not determined
Boiling Point/Boiling Range	212 Deg F
Flash Point	n/a (tcp)

Evaporation Rate	(H20=1) =1
Flammability (Solid, Gas)	n/a-liquid
Upper Flammability Limits	UEL=n/a
Lower Flammability Limits	LEL=n/a
Vapor Pressure	20@68F
Vapor Density	Not determined
Specific Gravity	.995
Water Solubility	Soluble in water
Solubility in Other Solvents	Not determined
Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature Kinematic	Not determined
Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties Oxidizing	Not determined
Properties	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Strong acids/oxidizers

### Hazardous Decomposition Products

Alkaline vapors in a fire.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

**Eye Contact**    Causes severe eye damage.                      **Skin Contact**      Causes severe skin burns.

**Inhalation**    Irritating to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.

**Ingestion**    May be harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water	90,000 mg/kg (rat)	Data not available	Data not available
Sulfonic Acid 68584-22-5	500-2,000 mg/kg (rat)	>2,000 mg/kg (rabbit)	Data not available

Benzenesulfonic acid, dodecyl 90194-54-0	>2,000 mg/kg (rat)	Data not available	Data not available
Surfactant	>2,000 mg/kg (rat)	2,000-5,000 (rabbit)	Data not available
Monoethanolamine 141-43-5	1,089 mg/kg (rat)	2,504 mg/kg	1.3 mg/l
EDTA 64-02-8	3,030 mg/kg (rat)	Data not available	Data not available
Orange Terpenes 5989-27-5	4,400 mg/kg (rat)	>5 g/kg (rabbit)	Data not available
Ethylene Glycol Monobutyl Ether 111-76-2	1,200 mg/kg (guinea pig)	>2,000 mg/kg	4500, ppm 4 h

### Information on Physical, Chemical and Toxicological Effects

#### Symptoms

Please see section 4 of this SDS for symptoms.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

#### Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical Measures of Toxicity

ATEmix-oral: mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Material may be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sulfonic Acid 68584-22-5	Algae EC50: 47.3 mg/l 72 h	Fish LC50: 1.67 mg/l 96 h	Data not available	Daphnia EC50: 2.4 mg/l 48h
Benzenesulfonic acid, dodecyl 90194-54-0	EC50: >1 – 10mg/l 72h Algae	LC50: >1 – 10mg/l Fish 96h	Data not available	EC50: >1 – 10 mg/l 48h Daphnia
Surfactant	EC50 Algae: 56 ppm	LC50 Fish: 2.3 mg/l, 96h	Data not available	ED50 Daphnia >13 ppm, 48h
Monoethanolamine 141-43-5	Data not available	LC50: Fish 96h 349 mg/l	EC10: Bacteria 30 min >1000 mg/l	EC50: 48h static Daphnia 65mg/l
EDTA 64-02-8	Data not available	Pimephales Promelas (fathead minnow) 96h: >100 mg/l	Data not available	Data not available
Orange Terpenes 5989-27-5	Data not available	0.619-0.796 :96h Pimephales promelas mg/L LC50 flow-through 35: 96h Oncorhynchus mykiss mg/L LC50	Data not available	Data not available
Ethylene Glycol Monobutyl Ether 111-76-2	EC50 (Pseudokirchneriella subcapitata (green algae)): 911 mg/l. Endpoint: Biomass Exposure time: 72h	LC50 (Oncorhynchus mykiss (rainbow trout): 1,474 mg/l. Exposure time: 96h	Data not available	EC50 (Daphnia magna (Water flea)): 1,800 mg/l Exposure time: 48h Test type: static test

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not expected to bioaccumulate significantly.

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

<b><u>Note</u></b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b><u>DOT</u></b>	Not regulated.
<b><u>IATA</u></b>	Not available.
<b><u>IMDG</u></b>	Not available.
<b><u>TDG</u></b>	Not regulated.

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**US Federal Regulations**

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No	Weight-%
Ethylene Glycol Monobutyl Ether	111-76-2	1-5

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Monoethanolamine 141-43-5			X

