

Grease Breaker Concentrate

SAFETY DATA SHEET

SECTION 1: Identification

GHS Product identifier

Product name Grease Breaker Concentrate

Product number FOR200086

Other means of identification

General Purpose Degreaser

Recommended use of the chemical and restrictions on use

General Purpose Degreaser

Supplier's details

Name Anderson Chemical
Address 325 S Davis Ave
Litchfield MN 55355
USA

Telephone (320)693-2477

Emergency phone number

1-800-424-9300

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1

GHS label elements, including precautionary statements

Pictograms



1. Corrosion

Signal word

Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage

H318

Causes serious eye damage

Precautionary statement(s)

Prevention	Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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/doctor/ physician Specific treatment (see section 4 on this SDS). Wash contaminated clothing before reuse.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/ regional/national/international regulations

SECTION 3: Composition/information on ingredients**Hazardous components****1. Amines, C10-16-alkyldimethyl, N-oxides**

Concentration	1 - 5 % (weight)
CAS no.	70592-80-2

2. Triethanolamine dodecylbenzene sulfonate

Concentration	1 - 5 % (weight)
CAS no.	27323-41-7

3. Component 3 (trade secret)*

Concentration	0.1 - 2 % (weight)
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4. Cocamidopropyl betaine

Concentration	1 - 3 % (weight)
CAS no.	61789-40-0

- Eye damage/irritation, Cat. 1

H318

Causes serious eye damage

5. Component 6 (trade secret)*

Concentration

1 - 3 % (weight)

- Eye damage/irritation, Cat. 1

H318

Causes serious eye damage

SECTION 4: First-aid measures**Description of necessary first-aid measures**

If inhaled	Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.
In case of skin contact	Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.
In case of eye contact	Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.
If swallowed	Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

Most important symptoms/effects, acute and delayed

Causes irritation (possibly severe), burns to the eyes. May cause permanent eye damage. May cause irritation to the skin. May cause irritation to the respiratory tract. May be harmful if swallowed.

SECTION 5: Fire-fighting measures**Suitable extinguishing media**Water spray (fog). Carbon dioxide (CO₂). Dry chemical.**Special protective actions for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool fire exposed containers

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Evacuate nonessential personnel. Ventilate area. Wear appropriate personal protection equipment

Environmental precautions

See section 12

Methods and materials for containment and cleaning up

Completely contain spilled material with dikes or sand bags, etc.

Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized. Flush spill area with water.

Neutralization products, both solid and liquid, must be recovered for disposal

SECTION 7: Handling and storage**Precautions for safe handling**

Do not get in eyes, on skin, or clothing. Do not breathe vapors or mists. Do not ingest. Wash thoroughly after handling. Wear protective clothing/equipment. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored.

Incomptabile Materiala: Strong acids. Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection**Appropriate engineering controls**

Showers

Eyewash stations

Ventilation systems

Individual protection measures, such as personal protective equipment (PPE)**Pictograms****Eye/face protection**

Wear safety glasses with side shields (or goggles).

Skin protection

If contact is anticipated, wear protective clothing appropriate to use conditions

Body protection

Wear safety glasses with side shields (or goggles).

If contact is anticipated, wear protective clothing appropriate to use conditions

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Aqueous Solution
Color	Clear, Amber Liquid
Odor	Solvent like
Melting point/freezing point	
Boiling point or initial boiling point and boiling range	
Flammability	
Lower and upper explosion limit/flammability limit	
Flash point	
Auto-ignition temperature	
Decomposition temperature	
pH	10-10.5
Kinematic viscosity	
Solubility	Complete
Partition coefficient n-octanol/water (log value)	
Vapor pressure	
Density and/or relative density	0.94-1.0
Relative vapor density	

SECTION 10: Stability and reactivity

Reactivity

No Data Available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Extreme temperatures and direct sunlight

Incompatible materials

Strong oxidizing agents, Strong acids

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Component 6

LD50 Oral - Rat - >2,000 mg/kg

Component 5

LD50 Skin - Rabbit - >2,000 mg/kg

Skin corrosion/irritation

Contact causes skin irritation and possible burns

Serious eye damage/irritation

Severely irritating to eyes

Respiratory or skin sensitization

May cause irritation of the respiratory tract

Germ cell mutagenicity

No Data Available

Carcinogenicity

No Data Available

Reproductive toxicity

No Data Available

Specific target organ toxicity (STOT) - single exposure

No information available

Specific target organ toxicity (STOT) - repeated exposure

No information available

Aspiration hazard

No information available

Additional information

No information available

SECTION 12: Ecological information**Toxicity**

Component 6

EC50 - Daphnia magna (water flea) - 1-10 mg/l - 48 h

Result: Estimated

Cocamidopropyl betaine

EC50 - Daphnia magna (water flea) - 1-10 mg/l

Citation: Screening (style of OECD 203).

EC50 - Desmodesmus subspicatus (chodat) - 1-10 mg/l

Citation: Screening (style of OECD 203).

Persistence and degradability

No Information Available

Bioaccumulative potential

No Information Available

Mobility in soil

No Information Available

Results of PBT and vPvB assessment

No Information Available

Endocrine disrupting properties

No Information Available

SECTION 13: Disposal considerations**Disposal methods****Product disposal**

Disposal should be in accordance with applicable regional, national and local laws and regulations

Packaging disposal

Do not reuse container.

SECTION 14: Transport information**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information**Safety, health and environmental regulations specific for the product in question****Canadian Domestic Substances List (DSL)**

Chemical name: Amines, C10-16-alkyldimethyl, N-oxides

CAS number: 70592-80-2

Chemical name: Benzenesulfonic acid, C10-13-alkyl derivs., compds. with triethanolamine

CAS number: 68411-31-4

Chemical name: Benzenesulfonic acid, dodecyl-, compd. with 2,2',2"-nitrilotris[ethanol] (1:1)

CAS number: 27323-41-7

Chemical name: Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt

CAS number: 577-11-7

Chemical name: Butanedioic acid, sulfo-, 1,4-dioctyl ester, sodium salt

CAS number: 1639-66-3

Chemical name: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

CAS number: 61789-40-0

Chemical name: Component 5

CAS number: 68439-46-3

Chemical name: Component 6

CAS number: 78330-21-9

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: TRIETHANOLAMINE DODECYLBENZENE SULFONATE

CAS number: 27323-41-7

Asterisk: no; Refs: F8

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Triethanolamine dodecylbenzene sulfonate

CAS number: 27323-41-7

TRI listing: unlisted; CERCLA listing: X-reportable; TURA-only listing: no; de minimis concentration threshold: 1 percent.

Changes: CERCLA chemical added RY1993

Pennsylvania Right To Know Components

Chemical name: BENZENESULFONIC ACID, DODECYL-, COMPD. WITH 2,2',2"-NITRILOTRIS[ETHANOL] (1:1)

CAS number: 27323-41-7

Listing note: E-environmental hazard.

SARA 311/312 Hazards

Acute Health Hazard for: Cocamidopropyl betaine .

Acute Health Hazard for: Component 6.

US EPA TSCA public inventory

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CAS number: 70592-80-2

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CAS number: 68439-46-3

Chemical name: Component 6

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