



GRIME FIGHTER

CHEMICAL DEGREASER

SAFETY DATA SHEET (SDS)

SECTION 1: Identification

1.1 GHS Product identifier

Product name KoatGuard Grime Fighter
Product number KGGF

1.3 Recommended use of the chemical and restrictions on use

Heavy duty degreaser. Will damage paint. Use caution when using on aluminum*.

*Can be used for cleaning aluminum parts prior to powder coating. It is not recommended for cleaning finished aluminum products or storage in aluminum containers.

1.4 Supplier's details

Name KoatGuard Chemicals
Address 1173 Industrial Park Road
Columbia, TN 38401
United States

Telephone 931-388-7730

1.5 Emergency phone number (Poison Control)

1-800-222-1222

SECTION 2: Hazard identification

General hazard statement

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, inhalation, Cat. 5
- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Toxic to reproduction, Cat. 1A

2.2 GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H315 Causes skin irritation
H319 Causes serious eye irritation
H333 May be harmful if inhaled
H360 May damage fertility or the unborn child [effect, route]

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash ... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P304+P312	IF INHALED: Call a POISON CENTER/doctor/... if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Hazardous components****1. Sodium hydroxide**

Concentration	> 1 % (volume)
EC no.	215-185-5
CAS no.	1310-73-2
Index no.	011-002-00-6

- Skin corrosion/irritation, Cat. 1A

H314	Causes severe skin burns and eye damage
SCLs/M-factors/ATEs	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %

2. Sodium Metasilicate

Concentration	> 1 % (volume)
EC no.	229-912-9
CAS no.	6834-92-0
Index no.	014-010-00-8

- Specific target organ toxicity (single exposure), Cat. 3
- Skin corrosion/irritation, Cat. 1B

H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation

3. ETHYLENE GLYCOL DIMETHYL ETHER

Concentration	> 1 % (volume)
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EC no. 203-794-9
CAS no. 110-71-4
Index no. 603-031-00-3

- Flammable liquids, Cat. 2
- Toxic to reproduction, Cat. 1B
- Acute toxicity, inhalation, Cat. 4

H225 Highly flammable liquid and vapor
H332 Harmful if inhaled
H360FD May damage fertility. May damage the unborn child.

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse. Acute and delayed symptoms and effects: Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice. Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If symptoms persist seek medical attention.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Sodium metasilicate anhydrous: Sodium oxides, silicon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Sodium hydroxide (CAS: 1310-73-2)

TWA [Sodium hydroxide] (Inhalation): 2 Peak limitation mg/m³; AU (AU/SWA)

PEL [Sodium hydroxide] (Inhalation): 2 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Sodium hydroxide] (Inhalation): (C) 2 mg/m³; US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL [Sodium hydroxide] (Inhalation): (C) 2 mg/m³; US (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Eye/Face Protection: None required with normal household use. Industrial Setting: For splash protection, use chemical goggles. Eye wash fountain is recommended.

Skin protection

Safety Data Sheet

Furious George

Gloves recommended

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	No data available.
Odor	No data available.
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.

Additional properties

Physical state	Liquid
Color	Green
Explosive properties	No data available.
Oxidizing properties	No data available.

Particle characteristics

No data available.

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Sodium hydroxide : Caustic soda reacts with all the mineral acids to form the corresponding salts. It also reacts with weak-acid gases, such as hydrogen sulfide, sulfur dioxide, and carbon dioxide. Caustic soda reacts with amphoteric metals (Al, Zn, Sn) and their oxides to form complex anions such as $AlO_2(-)$, $ZnO_2(-2)$, $SNO_2(-2)$, and H_2 (or H_2O with oxides). All organic acids also react with sodium hydroxide to form soluble salts. Another common reaction of caustic soda is dehydrochlorination.

Sodium metasilicate anhydrous: Oxidizing agents. Sodium metasilicate can release hydrogen gas in contact with the incompatibles, causing a risk for explosion.

10.6 Hazardous decomposition products

Sodium hydroxide : Sodium oxides

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

// ----- From the Suggestion report (10/03/2023, 8:11 AM)-----//

The ATE (gas inhalation) of the mixture is: 450000 ppmV

Skin corrosion/irritation

Sodium metasilicate anhydrous

LD50 Oral - Rat - 1280 mg/kg

Citation: Toxnet. Clayton, G. D. and F. E. Clayton (eds.). Patty's Industrial Hygiene and Toxicology: Volume 2A, 2B, 2C: Toxicology. 3rd ed. New York: John Wiley Sons, 1981-1982., p. 3066

Serious eye damage/irritation

Sodium metasilicate anhydrous

LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 hr

Citation: Sigma SDS

Respiratory or skin sensitization

Sodium metasilicate anhydrous

LD50 Inhalation - Rat - 1280 mg/kg

Citation: Toxnet. Clayton, G. D. and F. E. Clayton (eds.). Patty's Industrial Hygiene and Toxicology: Volume 2A, 2B, 2C: Toxicology. 3rd ed. New York: John Wiley Sons, 1981-1982., p. 3066

Germ cell mutagenicity

Sodium metasilicate anhydrous

LD50 Oral - Rat - 1280 mg/kg

Citation: Toxnet. Clayton, G. D. and F. E. Clayton (eds.). Patty's Industrial Hygiene and Toxicology: Volume 2A, 2B, 2C: Toxicology. 3rd ed. New York: John Wiley Sons, 1981-1982., p. 3066

Carcinogenicity

Sodium metasilicate anhydrous

LD50 Oral - Rat - 1280 mg/kg

Citation: Toxnet. Clayton, G. D. and F. E. Clayton (eds.). Patty's Industrial Hygiene and Toxicology: Volume 2A, 2B, 2C: Toxicology. 3rd ed. New York: John Wiley Sons, 1981-1982., p. 3066

Reproductive toxicity

Sodium metasilicate anhydrous

LD50 Oral - Rat - 1280 mg/kg

Citation: Toxnet. Clayton, G. D. and F. E. Clayton (eds.). Patty's Industrial Hygiene and Toxicology: Volume 2A, 2B, 2C: Toxicology. 3rd ed. New York: John Wiley Sons, 1981-1982., p. 3066

Specific target organ toxicity (STOT) - single exposure

Sodium metasilicate anhydrous
LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 hr
Citation: Sigma SDS

Specific target organ toxicity (STOT) - repeated exposure

Sodium metasilicate anhydrous
LD50 Oral - Rat - 1280 mg/kg
Citation: Toxnet. Clayton, G. D. and F. E. Clayton (eds.). Patty's Industrial Hygiene and Toxicology: Volume 2A, 2B, 2C: Toxicology. 3rd ed. New York: John Wiley Sons, 1981-1982., p. 3066

Aspiration hazard

Sodium metasilicate anhydrous
LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 hr
Citation: Sigma SDS

Additional information

ETHYLENE GLYCOL DIMETHYL ETHER: *TOXICITY:
typ. dose mode specie amount units other
LD50 orl rat 5-15 gm/kg [371]

*AQTX/TLM96: Not available

*SAX TOXICITY EVALUATION:
THR: Experimental reproductive effects. Readily forms an explosive peroxide.

*CARCINOGENICITY: Not available

*MUTATION DATA:
test lowest dose	test lowest dose
Not available |

*TERATOGENICITY:
Reproductive Effects Data:
TDLo: orl-mus 1960 mg/kg (7-10D preg)
TDLo: orl-mus 1400 mg/kg (7-10D preg)
TDLo: orl-mus 361 mg/kg (11D preg)
TDLo: orl-mus 16 gm/kg (7-14D preg)

*STANDARDS, REGULATIONS & RECOMMENDATIONS:
OSHA: None
ACGIH: None
NIOSH Criteria Document: None
NFPA Hazard Rating: Health (H): 2
Flammability (F): 2
Reactivity (R): 0
H2: Materials hazardous to health, but areas may be entered freely with full-faced mask self-contained breathing apparatus which provides eye protection (see NFPA for details).
F2: Materials which must be moderately heated before ignition will occur (see NFPA for details).
R0: Materials which are normally stable even under fire exposure conditions

and which are not reactive with water (see NFPA for details).

***OTHER TOXICITY DATA:**

Standards and Regulations: DOT-IMO: Flammable liquid; Label: Flammable liquid

Status: EPA TSCA Chemical Inventory, 1986

EPA TSCA Test Submission (TSCATS) Data Base, September 1989

SECTION 12: Ecological information

Toxicity

No data available on product

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Endocrine disrupting properties

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

No data available.

Packaging disposal

No data available.

Waste treatment

No data available.

Sewage disposal

No data available.

Other disposal recommendations

No data available.

SECTION 14: Transport information

DOT (US)

UN Number:

Class:

Packing Group:

Proper Shipping Name:
Reportable quantity (RQ):
Marine pollutant:
Poison inhalation hazard:

IMDG

UN Number:
Class:
Packing Group:
EMS Number:
Proper Shipping Name:

IATA

UN Number:
Class:
Packing Group:
Proper Shipping Name:

SECTION 15: Regulatory information

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

Canadian Domestic Substances List (DSL)

Chemical name: Sodium hydroxide (Na(OH))
CAS number: 1310-73-2

Chemical name: Ethane, 1,2-dimethoxy-
CAS number: 110-71-4

EU Cosmetics Prohibited Substances List, (EC) 2009/1223 Annex II

Chemical name/INN: ETHYLENE GLYCOL DIMETHYL ETHER
CAS number: 110-71-4

EU Table of Harmonised Entries (Annex VI to CLP)

Chemical name: Sodium hydroxide
CAS number: 1310-73-2

Chemical name: Sodium metasilicate anhydrous
CAS number: 6834-92-0

Chemical name: ETHYLENE GLYCOL DIMETHYL ETHER
CAS number: 110-71-4

Massachusetts Right To Know Components

Chemical name: Sodium hydroxide
CAS number: 1310-73-2

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components

Common name: SODIUM HYDROXIDE
CAS number: 1310-73-2

Common name: 1,2-DIMETHOXYETHANE

CAS number: 110-71-4

Pennsylvania Right To Know Components

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

Sodium metasilicate anhydrous

CAS-No. 6834-92-0

Chemical name: Ethane, 1,2-dimethoxy-

CAS number: 110-71-4

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Acute Health Hazard

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US EPA TSCA public inventory

Chemical name: Sodium hydroxide

CAS number: 1310-73-2

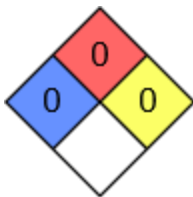
Chemical name: Sodium metasilicate anhydrous

CAS number: 6834-92-0

Chemical name: ETHYLENE GLYCOL DIMETHYL ETHER

CAS number: 110-71-4

NFPA Rating



SECTION 16: Other information

16.2 Preparation information

Version 1.0

Issued on 10/18/2024