

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	KONE CLEANER DEGREASER
Product Number	63043
Product Type	Mixture
Product Use	Liquid Alkaline Metal Degreaser used on elevator/escalator parts.
Manufacturer/Supplier	Manufactured for: Kone Inc One Kone Court Moline IL 61265
Company Contact	1-877-276-8691
Emergency Telephone Number	1-800-255-3924

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 OSHA HCS

Skin corrosion/irritation, (Category 2) H315
Serious Eye damage/irritation, (Category 2A) H319

GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard Statements

H315 Causes skin irritation
H319 Causes serious eye irritation.

Precautionary Statements

Prevention

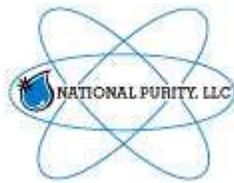
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash thoroughly after handling.

Response

P302+P352 IF ON SKIN, Wash with plenty water.
P332+P313 If skin irritation occurs, get medical advice/attention.
P362+364 Take off contaminated clothing and wash before reuse
P305+P351+P338 IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present.
P337+P313 If eye irritation persists: Get medical advice/attention.

Storage/Disposal

P403+P340 Store in a well ventilated place. Keep container tightly closed.



3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Nonhazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
Glycol ether DB	112-34-5	H319	5-10%
Sodium metasilicate	6834-92-0	H302, H313, H320, H402	1-3 %
Alcohols, C9-C11 ethoxylate	68439-46-3	H302, H315, H318	1-3%

4. First Aid Measures

Description of First Aid Procedures

General Advice	Consult a physician. Show this SDS to the doctor.
In Case of Eye Contact	Flush with cool running water for 15 minutes. If irritation persists, get medical attention.
In Case of Skin Contact	Flush with cool water. If irritation occurs, get medical attention.
If Ingested	Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.
If Inhaled	Move person to fresh air. If breathing difficulty persists, consult a physician.
Notes to Physician	Symptoms may be delayed.
General advice	Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

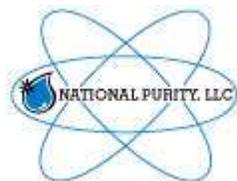
Flammable properties	
Extinguishing media	Use methods appropriate to the source of fire.
Protection of firefighters	Firefighters should wear protective clothing including self contained breathing apparatus
Hazardous combustion products	May include and not limited to oxides of carbon, phosphorous and silicone.
Unusual Fire, Explosion hazards	Containers may melt or rupture from heat of fire. May form combustible mixtures with air when heated.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be mopped up and rinsed. Large spills may be absorbed with non reactive absorbent and placed in suitable covered, labeled containers. Rinse area with water. Never return spill to original container for reuse.
Environmental precautions	

7. Handling and Storage

Precautions for Safe Handling	Use good industrial hygiene practices when handling this material. Wash contaminated clothing before reuse.
Conditions for Safe Storage	Keep container closed when not in use. Keep out of reach of children.



8. Exposure Controls and Personal Protection

Exposure Limits

Ingredients	CAS#	OSHA PEL	ACGIH TLV
Glycol ether DB	112-34-5	Not available	10 ppm Inhalable
Sodium metasilicate	6834-92-0	15 mg/m ³ TWA (Total dust)	Not available
Alcohols, C9-C11 ethoxylate	68439-46-3	Not available	Not available

Engineering controls

General ventilation normally adequate

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields if splash conditions exist.

Hand protection

Generally not required

Skin and body

As required by employer code.

Respiratory protection

Use a NIOSH approved respirator when exposure guidelines are exceeded.

General hygiene considerations

Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance/form	Clear liquid
Color	Colorless
Odor	Lemon odor
Odor threshold	Not established
pH	11.0-12.5 (concentrate)
Melting/freezing point	Not established
Initial Boiling point	≈212° F. (100° C.)
Flash point	> 212° F. (100° C.)
Evaporation rate	Not established
Flammability	Not flammable
Upper/lower flammability or Explosive limits	Not established
Vapor pressure	Not established
Vapor density	Not established
Specific gravity/density	1.02-1.04
Vapor density	Not established
Solubility in water	Complete
% VOC	<0.1 %
% Volatile	Approx. 95%

Other Safety Information

10. Stability and Reactivity

Reactivity

Chemical Stability	Stable under normal storage conditions.
Hazardous reactions	None known.
Conditions to avoid	Heat, sparks or open flame. Do not mix with other chemicals.
Incompatible materials	Strong acids, alkalis, strong oxidizing agents and amines.
Hazardous decomposition products	May include but not limited to oxides of carbon, phosphorous and silicon.
Hazardous polymerization	Will not occur

11. Toxicological Information

Ingredients	LC50
Glycol ether DB	Not available
Sodium metasilicate	Not available
Alcohols, C9-C11 ethoxylate	Not available



Ingredients

Glycol ether DB
Sodium metasilicate
Alcohols, C9-C11 ethoxylate

LD50

3,305 mg/kg (Oral-Rat), 2,764 mg/kg (Dermal-Rabbit)
1153 mg/kg (Oral-Rat)
>5000 mg/kg (Dermal- Rat)

Eye

Will cause serious eye irritation

Skin

Will cause irritation.

Ingestion

Not expected to be harmful.

Inhalation

Not expected to be harmful.

Sensitization

Non hazardous.

Chronic effects of short and long Term exposure

Prolonged exposure to skin may cause drying, defatting and irritation.

Carcinogenicity

Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.

Mutagenicity

No data available.

Reproductive effects

No data available.

Teratogenicity

No data available.

12. Ecological Information

Eco-toxicity

Ecological effects for this product have not been analyzed. However, if spilled this product and any contaminated soil may be harmful to aquatic life. Sodium metasilicate is harmful to aquatic life in very low concentrations.

Sodium metasilicate

LC50 (Mosquito fish) = 530mg/L. LC50 (Waterflea) 48 hours = 113mg/L

Glycol ether DB

LC50 (Bluegill sunfish) = 1300 mg/L-96 hour

Alcohols, C9-C11 ethoxylate

LC50 (Fat head minnow)= 6-12 mg/L-96 hour

Environmental effects

No Data Available

Aquatic toxicity

No Data Available

Persistence and Degradability

Sodium metasilicate

Will persist in aquatic and terrestrial systems

Bioaccumulation/accumulation

No Data Available

Partition coefficient

No Data Available

Mobility in environmental media

No Data Available

Chemical fate information

No Data Available

Other adverse effects

No Data Available

13. Disposal Considerations

Waste codes

Not Available

Disposal instructions

Dispose in accordance with local, state, and federal regulations

Wastes from residues/unused product

Containerize. Rinse area with water. Keep out of storm sewer/waterways.

Contaminated packaging

Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:

Not DOT regulated.

15. Regulatory Information

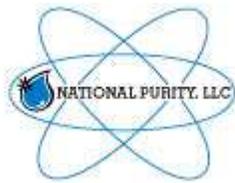
U.S federal regulations

This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA. HCS 2012

TSCA

All ingredients are listed on the Toxic Substances Control Act.

CERCLA Super Fund 40CFR117.302Product does not contain ingredients with a Reportable Quantity (RQ)



SARA Title III Section 311&312

Immediate (Acute) Health Hazard
Glycol ether DB CAS#112-34-5

SARA Title III Section 313

Subject to reporting requirements of Title III
Glycol ether DB CAS# 122-34-5

California Proposition 65

This product does not contain intentional ingredients identified by the State of California to cause cancer or reproductive harm. This product may, however, contain Ethylene oxide (CAS#75-21-8) in trace amounts (< 20 ppm) which is known to the State of California to cause cancer and birth defects or other reproductive harm. Warning statement on Product Label required.

States Right to Know

Reportable chemicals:
Sodium metasilicate

Inventory Status

Countries

U.S.

Canada

Inventory Name

CIL

DSL

On Inventory (Yes/No)*

Yes

Yes

A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS Legend

Severe 4
Serious 3
Moderate 2
Slight 1
Minimal 0

Health 2
Flammability 1
Reactivity 0
Personal Protection B

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

August 29, 2018

Supersedes date

January 10, 2015

Reason for update

Formulation change to reduce VOC and eliminate Alkylphenol ethoxylates.
Conform to GHS OSHA HCS 2012