

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKINGGHS product identifier

Product Name On Deck

Other means of identificationProduct Code(s) FM9002
UN/ID No UN3266

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Degreaser

Uses advised against No information available

Supplier's detailsAccurate Companies
731 W. Fairmont Dr.
Tempe, AZ 85282Emergency telephone numberEmergency Telephone CHEMTREC: 1-800-424-9300
Number Accurate 602-996-9191**2. HAZARDS IDENTIFICATION**Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 1 Subcategory 1A
Serious Eye Damage/Eye Irritation	Category 1

GHS Label elements, including precautionary statements**Emergency Overview**Signal Word **Danger****Hazard Statements**

- Harmful if swallowed
- Causes severe skin burns and eye damage



Precautionary Statements**Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- In "**Concentrated**" form, wear protective gloves/protective clothing/eye protection/face protection

General Advice

- Immediately call a POISON CENTER or doctor/physician

Eyes

- 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/physician.

Skin

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Ingestion

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- Do NOT induce vomiting

Storage

- Store locked up

Disposal

- Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Potassium hydroxide	1310-58-3	1% - 5%	*
2-methoxymethylethoxy	34590-94-8	1% - 5%	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

General Advice	Immediate medical attention is required.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Seek immediate medical attention/advice.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

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

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical

None known

Hazardous Combustion Products None.

Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information Dispose of contents/container to an approved waste disposal plant. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Absorb spilled material with an absorbent material such as clay, sawdust, or sand. Sweep up and shovel into suitable containers for disposal. After complete clean up by sweeping, area may be washed with large amounts of water if necessary

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products

None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	2mg/m ³	2mg/m ³	Ceiling 2 mg/m ³
2-methoxymethylethoxy 34590-94-8	100ppm 600 mg/m ³	100ppm 600 mg/m ³	-

Appropriate engineering controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection

In "**Concentrated**" form, use tightly fitting safety goggles.

Skin and Body Protection

Rubber gloves. Rubber apron.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures

Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State

Liquid

Appearance

red

Odor

Strong soap

Odor Threshold

No information available

Property

Values

Remarks/ - Method

pH

13.5-14.0

None known

Melting Point/Range

No data available

None known

Boiling Point/Boiling Range

100 °C / 212 °F

None known

Flash Point	98 °C / 208.4 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	1.016	None known
Water Solubility	Soluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties Not flammable

Explosive Properties Not explosive
Oxidizing Properties Not an oxidizer

Other information

VOC Content (%) 3-5%

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

None known based on information supplied.

Incompatible materials

None

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Eye contact with corrosive substances can cause eye burns.
Skin Contact	Skin contact with corrosive substances can cause skin burns.

Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium hydroxide 1310-58-3	= 273 mg/kg (Rat)	50mg (24hr) - Severe skin irritation Draize (Rabbit)	-
2-methoxymethylethoxy 34590-94-8	>5000 mg/kg (Rat)	>10000 mg/kg (Rabbit)	No specific data available

Symptoms related to the physical, chemical and toxicological characteristics
Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure
Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3: Not Classifiable as to its Carcinogenicity to Humans

Reproductive Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration Hazard

No information available.

Numerical measures of toxicity • - Product
The following values are calculated based on chapter 3.1 of the GHS document:
LD50 Oral 2274 mg/kg; Acute toxicity estimate

LD50 Dermal 2478 mg/kg; Acute toxicity estimate

Inhalation

gas 42529

dust/mist 14.2 mg/L; Acute toxicity estimate

Vapor 104 mg/L; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Potassium hydroxide 1310-58-3	-	Mosquito fish 24 hr LC50=80mg/L	-	-
2-methoxymethylethoxy 34590-94-8	-	-	-	48hr EC50 > 1500 mg/l

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Log Pow
Potassium hydroxide 1310-58-3	-
2-methoxymethylethoxy 34590-94-8	Not expected to bioaccumulate

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging Dispose of in accordance with federal, state, and local regulations.

Chemical Name	California Hazardous Waste Status
Potassium hydroxide 1310-58-3	Toxic Corrosive
2-methoxymethylethoxy 34590-94-8	Not Listed

14. TRANSPORT INFORMATION

DOT Regulated

UN/ID No UN3266
Proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide)
Hazard class 8
Packing Group II
Emergency Response Guide Number 154

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL Complies
EINECS Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**U.S. Federal Regulations**

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

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Potassium hydroxide	1310-58-3	1-5	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium hydroxide 1310-58-3	1000lbs	-	-	X

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Potassium hydroxide 1310-58-3	1000 lbs	-	RQ 1000 lb final RQ RQ 454kg final RQ

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Potassium hydroxide 1310-58-3	X	X	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NEPA	Health Hazard 3	Flammability 0	Instability 1	Physical and Chemical Hazards - COR
HMIS	Health Hazard 3	Flammability 0	Physical Hazard 1	Personal Protection B

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Revision Date **20-February-2019**
Revision Note **#1 Revised Formula**
 #2 Reformulated product

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet