



EZ AGG SURFACE RETARDER

SECTION I: IDENTIFICATION

EZCHEM, Inc.
92 Don Westbrook Ave. N.
Jasper, GA 30143

Emergency Telephone Number: 1-800-535-5053
Telephone Number for Information: 706-253-5055

Product Name: EZ AGG SURFACE RETARDER
Product Code: FG00042

SECTION II: HAZARD IDENTIFICATION

WARNING

Hazard Classification:

This chemical is not considered hazardous by the 2012 OSHA
Hazard Communication Standard (29 CFR 1910.1200)

Hazard Statements:

May be harmful if swallowed
May cause an allergic skin reaction
Causes eye irritation

Appearance: Green

Physical State: Liquid

Odor: Mild

Hazard Pictograms:



Precautionary Statements - Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray
Wash hands and face thoroughly after handling
Use only outdoors or in a well-ventilated area
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contacts, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention

IF SWALLOWED: Immediately call a POISON CONTROL CENTER/doctor

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed.

Keep from freezing.

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

May cause skin irritation.

Other Information



SECTION III: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Chemical name:	CAS No.	Percentage %
Non-hazardous ingredient(s)	N/A	95-99%
Potassium hydroxide	1310-58-3	1-5%

SECTION IV – FIRST AID MEASURES

General Information: Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.

After inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

After skin contact: Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After swallowing: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects: The most important symptoms and effects are described in the labeling (see Section 2.2).

Acute: Eye, Skin, and Respiratory Irritation.

Indication of any immediate medical attention and special treatment needed:

Note to physicians Treat symptomatically. For additional information, see Safety Data Sheet.

SECTION V – FIRE AND EXPLOSION HAZARD DATA

Suitable Extinguishing Agents: Product is not combustible. Use water spray (fog), alcohol-resistant foam, dry chemical, or carbon dioxide for surrounding fire.

Unsuitable extinguishing media: Not Applicable.

Specific hazards arising from the chemical: None Known.

Hazardous combustion products: Carbon oxides.

Explosion data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not sensitive.

Protective equipment and precautions for firefighters: Wear self-contained breathing apparatus and protective suit.



SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

Methods and material for containment and cleaning up:

Containment: Dike and contain spill with inert absorbent materials. Soak up with inert material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Clean Up: Pick up and transfer to properly labeled containers.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Handling

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Storage Keep at a temperature not exceeding 38 Degrees C (100 Degrees F). Do not allow material to freeze. 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.

Incompatible products: None known.

Incompatible materials: None known.

SECTION VIII – EXPOSURE CONTROL MEASURES

Control parameters:

Exposure guidelines: Potassium Hydroxide (1310-58-3): OSHA Permissible Exposure Limit (PEL): 2 mg/m³ Ceiling - ACGIH Threshold Limit value (TLV): 2 mg/m³ Ceiling.

Chemical name:	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m ³	(vacated) Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³

Appropriate engineering controls:

Engineering Controls: General/Local Ventilation Recommended.



SECTION VIII – EXPOSURE CONTROL MEASURES continued

Personal Protective Equipment:



Eye: Wear safety glasses with side shields (or goggles)

Skin and Body: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.

Respiratory: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Additional Information: Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

SECTION IX – PHYSICAL/CHEMICAL CHARACTERISTICS

Physical state: Liquid

Odor: Mild

Appearance: Green
Color: White

Odor threshold: No data available

Properties:	Values:	Properties:	Values:
pH	11-12	Partition coefficient	Not Available
Meltingpoint/freezingpoint	Not Applicable/32° F	Autoignition temperature	Not Available
Boilingpoint/boilingrange	100 °C	Decomposition temperature	Not Available
Flash point	Not Relevant	Kinematic viscosity	Not Available
Evaporationrate	Not Available	Dynamic viscosity	Not Available
Flammability (solid, gas)	Not Relevant	Explosive properties	Not Available
Flammability Limit in Air		Oxidizing properties	Not Available
Upper flammability limit:	Not Available		
Lower flammability limit:	Not Available	Other Information	
Vapor pressure	Not Available	Softening point	Not Relevant
Vapor density	Not Available	Molecular weight	Not Available
Relative density	1.057 @ 70° F	VOC Content (%)	0 g/L
Watersolubility	Soluble in water	Density	Not Available
Solubility in othersolvents	Not Available	Bulk density	Not Available
Partition coefficient	Not Available		



SECTION X – REACTIVITY DATA

Conditions to be avoided: None known.

Incompatible materials: None known.

Hazardous Decomposition Products: None known.

Reactivity: Not available.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: No data available.

SECTION XI – TOXICOLOGICAL INFORMATION

Likely Route of Exposure

Product information:

Eyes: Direct contact.

Skin: Direct contact.

Inhalation: Direct contact and vapor inhalation.

Ingestion: Direct contact.

Chemical name:	Oral LD50	Dermal LD50	Inhalation LC50
Potassium hydroxide 1310-58-3	= 214 mg/kg (Rat)	•	•

Information on toxicological effects:

Product information:

Symptoms: May cause drowsiness or dizziness if inhaled. May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Irritating to eyes.
Irritation	Irritating to eyes, respiratory system and skin.
Sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	Not Available.
STOT - single exposure	Not Available.
STOT - repeated exposure	Not Available.
Aspiration hazard	Not Available.



SECTION XII - ECOLOGICAL INFORMATION

No available data

Chemical name:	Algae/aquatic plants	Fish	Crustacea
Potassium hydroxide 1310-58-3	•	80: 96 h Gambusia affinis mg/L LC50 static	•

No YMV available

Chemical name:	Partition coefficient
Potassium hydroxide	0.65
1310-58-3	0.83

Other adverse effects: No YMV available

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

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

Chemical name:	California Hazardous Waste Status
Potassium hydroxide	Toxic
1310-58-3	Corrosive

SECTION XIV – TRANSPORT INFORMATION

DOT: Not regulated

Marine pollutant: No available data

IATA: Not regulated

IMDG: Not regulated



SECTION XV- REGULATORY INFORMATION

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

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 Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations:

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name:	CWA-Reportable Quantities	CWA-Toxic Pollutants	CERCLA/ SARA RQ	CWA-Hazardous SARA RQ
Potassium hydroxide 1310-58-3	1000 lb	•	•	×



SECTION XV- REGULATORY INFORMATION continued

CERLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name:	Hazardous Substances RQs	CERLA/SARA RQ	Reportable Quantity (RQ)
Potassium hydroxide 1310-58-3	1000 lb	•	RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations

California Proposition 65

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

U.S. State Right-to-know Regulations

U.S. EPA Label Information

SECTION XVI - OTHER INFORMATION

NFPA

Health hazard: 1

Flammability: 1

Instability: 0

Physical & Chemical Properties: -

HMIS

Health hazard: 1

Flammability: 1

Instability: 0

Physical & Chemical Properties: X

Issue Date: 14-May-2015

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Revision Note: No data available

Disclaimer: The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet