



Safety Data Sheet
May be used to comply with OSHA's Hazard
Communication Standard (HCS), 29 CFR 1910.1200.
Standard must be consulted for specific requirements.

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.



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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

Appearance: Green

Color: White

Odor: Mild

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 |
| Flashpoint | Not Relevant | Kinematic viscosity | Not Available |
| Evaporationrate | Not Available | Dynamic viscosity | Not Available |
| Flammability(solid,gas) | Not Relevant | Explosive properties | Not Available |
| FlammabilityLimitinAir | | Oxidizing properties | Not Available |
| Upperflammabilitylimit: | Not Available | | |
| Lowerflammabilitylimit: | Not Available | Other Information | |
| Vaporpressure | Not Available | | |
| Vapordensity | Not Available | Softening point | Not Relevant |
| Relativedensity | 1.057 @ 70° F | Molecular weight | Not Available |
| Watersolubility | Soluble in water | VOC Content (%) | 0 g/L |
| Solubilityinothersolvents | Not Available | Density | Not Available |
| Partitioncoefficient | Not Available | Bulk density | 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. |



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SECTION XII - ECOLOGICAL INFORMATION

No available data

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

Persistence and degradability: No YMV available

Bioaccumulation: C d YMV Vkv WZ

| 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 | • | • | × |



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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

Revision Date: 27-May-2015

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