

SECTION 1 - IDENTIFICATION

Product Identifier

ACE®-KLEAN HD

Other Means of Identification

HDC1; HDC5; HDC55

Recommended Use of the Chemical

See product label

Responsible Party

Name Atlantic Chemical & Equipment Company

Address 3471 Atlanta Industrial Pwky,
Atlanta, GA 30331 USA

Phone 1.800.929.2436

Web acechempro.com

Emergency Phone Number

For Chemical Emergencies call Chemtrec at 1.800.262.8200

SECTION 2 – HAZARD IDENTIFICATION

Classification of the Chemical

Skin Corrosive, category 1

Signal Word

Danger

Hazard Symbols



Hazard Statement(s)

Causes severe skin burns and eye damage

Hazards Not Otherwise Classified

None known

0% of the mixture consists of ingredients of unknown toxicity

Note

Labeling information found on this SDS may be different from label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency

Precautionary Statement(s)

Do not breathe dusts or mists

Wash hands thoroughly after handling

Wear protective gloves and eye protection

Specific treatment (see FIRST AID section on this label)

Store locked up

Dispose of container in accordance with local regulations

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center

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



SECTION 3 – COMPOSITION

Ingredient	CAS	wt%	GHS Classification(s)
Potassium Hydroxide	1310-58-3	<21	Skin Corrosive 1; Acute Toxicity 4 (oral)
2-Butoxyethanol	111-76-2	<15	Eye Damage 1
Sodium Metasilicate Pentahydrate	10213-79-3	<10	Skin Corrosive 1; STOT-SE 3 (respiratory irritation)
Potassium Pyrophosphate	7320-34-5	<10	Eye Irritation 2a

Trade Secret Claim

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions

SECTION 4 – FIRST AID MEASURES

General First Aid Measures

If medical attention is required then provide product label or safety data sheet to a medical professional

Most Important Symptoms

None known

If Inhaled

Move person to fresh air and keep comfortable for breathing. Administer artificial respiration if person is not breathing

If on Skin

Wash with soap and water. Take off contaminated clothing and launder with detergent before reuse

Indication of Immediate Medical Attention

Seek immediate medical attention if exposed to skin or eyes as material may cause permanent damage

If in Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Rinse for at least 10 minutes to ensure proper flushing of material from eye

If Swallowed

Do NOT induce vomiting unless instructed to do so by a trained medical professional. Rinse mouth with water

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, carbon dioxide, sand, powder extinguisher, or dry chemical. Water jets are not recommended

Unsuitable Extinguishing Media

None known

Specific Hazards Arising From the Chemical

None known

Hazardous Combustion Products

None known

Special Protective Equipment for Fire-fighters

Not determined

Precautions for Fire-Fighters

Not determined



SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure that the environment is physically safe to be in. Wear personal protective equipment before remedying an accidental release of mixture

Protective Equipment

Wear gloves suitable for chemical resistance. Wear protective eye glasses/goggles. In the event of inadequate air ventilation use artificial breathing apparatuses

Emergency Procedures

Evacuate all non-essential personnel from the area. Shut off all sources of ignition. Ensure that all drains are covered to prevent environmental exposure. Follow methods found in next sub-section: Methods for Containment and Clean Up

Methods for Containment and Clean Up

Provide mechanical ventilation. Soak up with a absorbing agent such as saw dust, sand, or sponges and sweep into a container appropriate for storage. Offer to a licensed waste disposal company for appropriate disposal

References

See Section 7 on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Keep in original container before and after use. Read product label thoroughly and follow directions as provided in each label's Directions section. Wear protective equipment suggested in Section 8 even if product label does not recommend use of protective equipment

Conditions for Safe Storage

Store in all original containers/packaging as product label contains important information regarding proper use of chemical. Store appropriate to NFPA ratings found in Section 15 of this SDS.

Storage Incompatibilities

None known

SECTION 8 – PERSONAL PROTECTION

Exposure Limits

Ingredient	CAS	PEL	AGCIH	NIOSH
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³	2 mg/m ³
Potassium Hydroxide	1310-58-3	n/a	2 mg/m ³	2 mg/m ³
Sodium Metasilicate Pentahydrate	10213-79-3	n/a	n/a	n/a

General Note

Practice good industrial hygiene by washing hands thoroughly before and after use. Keep working areas clean. Ensure proper use of personal protective equipment as recommended in this section

Appropriate Engineering Controls

Ensure adequate mechanical ventilation capable of preventing vapor build up

Eye Protection

Eye glasses or goggles are recommended when using this product. Eye protection should fit user as to minimize risk of exposure as much as possible



Skin Protection

Wear long sleeves and pants to minimize exposure to skin. Wear protective gloves when using this product. Gloves should be chemically resistant to the material. Launder contaminated clothing before reuse. Wear an apron if usage of chemical is anticipated to expose user to a large quantity of material

Respiratory Protection

Mechanical ventilation is often sufficient for ensuring respiratory systems are better protected against exposure to material; however, should it be determined that material exposure limits are being concentrated as vapors then local ventilation should be utilized. Not anticipated to require personal breathing apparatuses for use or other respiratory protection equipment

SECTION 9 – CHEMICAL PROPERTIES

Appearance	Yellow liquid	Upper Explosive %	Not determined
Odor	Slight glycol-like	Lower Explosive %	Not determined
Odor Threshold	Not determined	Vapor Density	Not determined
pH	13-14	Relative Density	Not determined
Melting Point	Not determined	Solubility	Not determined
Boiling Point	Not determined	Partition Coefficient	Not determined
Flash Point	Not determined	Auto-Ignition Temp	Not determined
Evaporation Rate	Not determined	Decomposition Temp	Not determined
Flammability	Not determined	Viscosity	Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Material is not anticipated to be reactive

Chemical Stability

Material is anticipated to be stable in normal storage conditions when not exposed to any incompatible materials

Possibility of Hazardous Reactions

None known

Conditions to Avoid

Ensure that chemical is not exposed to heat, direct sunlight, or sources of ignition

Incompatible Materials

Not determined

Hazardous Decomposition Products

Not anticipated to produce any hazardous decomposition products beyond any health risk

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates

Oral – >2,000 mg/kg bw (not considered toxic)
 Dermal – Contains no ingredient(s) considered toxic
 Inhalation - Contains no ingredient(s) considered toxic

Aspiration Hazard

Contains no ingredient(s) which poses a risk in this category

Carcinogenicity

Contains no ingredient(s) which poses a risk in this category



Eye Damage/Irritation

When material is a known skin corrosive then it is assumed that it will also cause permanent eye damage

Germ Cell Mutagenicity

Contains no ingredient(s) which poses a risk in this category

Reproductive Toxicity

Contains no ingredient(s) which poses a risk in this category

Respiratory Sensitization

Contains no ingredient(s) which poses a risk in this category

Skin Corrosion/Irritation

May cause permanent skin damage if exposed

Skin Sensitization

Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Repeated Exposure

Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Single Exposure

May cause respiratory irritation but isn't expected

Delayed and Immediate Effects From Short- and Long-Term Exposure

Not determined

Symptoms related to the Chemical Characteristics

Not determined

National Toxicology Program Listing

No ingredient(s) listed as possibly carcinogenic

International Agency for Research on Cancer Listing

No ingredient(s) listed as possibly carcinogenic

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity Estimated Values

Algae	Contains no ingredient(s) considered toxic
Fish	Contains no ingredient(s) considered toxic
Crustacea	Contains no ingredient(s) considered toxic

Persistence and Degradability

Not determined

Bioaccumulative Potential

Not determined

Mobility in Soil

Not determined

Other Adverse Effects

Not determined

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of Empty Containers

Empty container can be recycled

Disposal of Material

Dispose of full or partially full containers by offering material to a licensed waste management company and follow all local regulations on proper disposal of material



SECTION 14 – TRANSPORTATION INFORMATION

Hazard Placards



Special Precautions

Keep in original container. Do not store excessive weight on top

UN Number	3266
UN Shipping Name	Corrosive Liquid, basic, inorganic n.o.s
Technical Name(s)	Potassium hydroxide and sodium metasilicate mixture
Hazard Class(es)	8 Corrosive
Packaging group	II
Limited Quantity	<1 L
Marine Pollutant	No
Transport in Bulk	Not determined

SECTION 15 – REGULATORY INFORMATION

SARA 311	No applicable ingredient(s)
SARA 312	No applicable ingredient(s)
SATA 313	No applicable ingredient(s)

TSCA Inventory List

All ingredients in this mixture are on the TSCA inventory list as active or exempt.

California

Prop65	No applicable ingredient(s)
ARB Designation	Single Purpose Cleaner
VOC Limit	Not applicable

HMIS®III (higher numbers indicate higher risk)

Health	3
Flammability	0
Physical Hazard	2

NFPA (higher numbers indicate higher risk)

Health	3
Flammability	0
Instability	0

SECTION 16 – OTHER INFORMATION

Revision History

May 2021 SDS Review and re-authoring

General Disclaimer

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process

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- END SAFETY DATA SHEET -