

This brief provides a general overview of the **Safety Data Sheet** requirements in the Hazard Communication Standard OSHA's 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200).

Section 1 ~ Identification

Identity (As Used On Label and List) G3020 E-Z KLEEN ACID	Date Prepared: 12-15-2015
Company Information: OMEGA INDUSTRIAL SUPPLY, INC	Emergency Telephone Number: 1-800-424-9300
Address (Number, Street, Suite/Apt#) 101 Grobric Ct #1	Telephone Number for Information: 1-800-571-7347
(City, State, and Zip Code) Fairfield, CA 94534	Signature of Prepare (Optional) REGULATORY DEPT.

Section 2 ~ Hazard(s) Identification

GHS-US Classification	Acute toxicity (oral), Category 4 Skin corrosion/irritation, Category 1A Serious eye damage/eye irritation, Category 1	Harmful if swallowed Causes severe skin burns and eye damage Causes serious eye damage
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Label Elements

GHS-US Labeling

Hazardous Pictograms (GHS-US)



GHS05

Signal Word (GHS-US): Danger

Contains

Ammonium hydrogen difluoride; sulfuric acid, conc >51%, aqueous solutions; phosphoric acid

Hazardous Statements (GHS-US)

Harmful if swallowed. Causes severe skin burns and eye damage

Precautionary Statement (GHS-US)

Do not breathe vapors, spray, mist. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection, protective gloves. **If swallowed:** Call a doctor if you feel unwell. **If swallowed:** Rinse mouth. Do NOT induce vomiting. **If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. **If inhaled:** Remove person to fresh air and keep comfortable for breathing. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing. Immediately call a doctor. Specific treatment (see First Aid measures on this label). Rinse mouth. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/container to an approved waste disposal plant

Other Hazards

No additional information available

Unknown Acute Toxicity (GHS-US)

Not applicable

Section 3 ~ Composition/Information on Ingredients

Substance: Not applicable.

Mixture

Name	CAS No.	%(Wt.)	GHS-US Classification
Ammonium Hydrogen Difluoride	1341-49-7	7 – 11	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314
Phosphoric Acid	7664-38-2	0.75 – 9	Skin Corr. 1B, H314
Sulfuric Acid, Conc >51%, Aqueous Solutions	7664-93-9	4 – 7	Skin Corr. 1A, H314 Carc. 1A, H350

Full text of H-statements: See section 16

Section 4 ~ First Aid Measures

Description of First Aid Measures

First-Aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-Aid Measures After Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

First-Aid Measures After Skin Contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

First-Aid Measures After Eye Contact: 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.

First-Aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Injuries: Causes severe skin burns and eye damage.

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Swallowing a small quantity of this material will result in serious health hazard.

Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.

Section 5 ~ Fire Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable Extinguishing Media: Do not use a heavy water stream.

Special Hazards Arising from the Substance or Mixture

Reactivity: Corrosive vapors.

Advice for Firefighters

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6 ~ Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

Methods for Cleaning Up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

Section 7 ~ Handling and Storage

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe spray, mist, vapors. Avoid contact during pregnancy/while nursing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene Measures: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep only in the original container in a cool, well ventilated place away from: Heat sources. Keep container closed when not in use.

Incompatible Products: Strong bases. Strong acids.

Incompatible Materials: Sources of ignition. Direct sunlight.

Section 8 ~ Exposure Controls/Personal Protection**Control Parameters****Ammonium Hydrogen Difluoride (1341-49-7)**

Not applicable

Sulfuric Acid, conc >51%, aqueous solutions (7664-93-9)

ACGIH Remark (ACGIH) Pulm func

OSHA OSHA PEL (TWA) (mg/m³) 1 mg/m³

Phosphoric Acid (7664-38-2)

ACGIH Remark (ACGIH) URT, eye, & skin irr

OSHA OSHA PEL (TWA) (mg/m³) 1 mg/m³

Exposure Controls

Personal Protective Equipment: Gloves. Safety glasses.



Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles or face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Wear appropriate mask.

Other Information: Do not eat, drink or smoke during use.

Section 9 ~ Physical and Chemical Properties**Information on Basic Physical and Chemical Properties**

Physical State: Liquid

Color: Green

Odor: acidic

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Relative Evaporation Rate (butylacetate=1): No data available

Flammability (solid, gas): No data available

Explosive Limits: No data available

Explosive Properties: No data available

Oxidizing Properties: No data available

Vapor Pressure: No data available

Relative Density: No data available

Relative Vapor Density at 20°C: No data available

Solubility: Water: Solubility in water of component(s) of the mixture: • ammonium hydrogen difluoride: 63g/100ml • nonylphenoxy poly (ethyleneoxy) ethanol: soluble • phosphoric acid: Complete

Log Pow: No data available

Auto-Ignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Viscosity, Kinematic: No data available

Viscosity, Dynamic: No data available

Other Information: No additional information available

Section 10 ~ Stability and Reactivity

Reactivity: Corrosive vapors.

Chemical Stability: Not established.

Possibility of Hazardous Reactions: Not established.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible Materials: Strong acids. Strong bases.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapors.

Section 11 ~ Toxicological Information**Information on Toxicological Effects**

Acute Toxicity: Oral: Harmful if swallowed.

E-Z KLEEN ACID

ATE US (oral) 1181.818 mg/kg bodyweight

Ammonium Hydrogen Difluoride (1341-49-7)

LD50 oral rat 130 mg/kg (Rat; Literature)

ATE US (oral) 130.000 mg/kg bodyweight

Sulfuric Acid, conc>51%, aqueous solutions (7664-93-9)

LD50 oral rat > 2140 mg/kg (Rat)

Phosphoric Acid (7664-38-2)

LD50 oral rat 4400 mg/kg (Rat)

ATE US (oral) 4400.000 mg/kg bodyweight

Skin Corrosion/Irritation: Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified.

Sulfuric Acid, conc>51%, aqueous solutions (7664-93-9)

IARC group 1 - Carcinogenic to humans

National Toxicology Program (NTP) Status 2 - Known Human Carcinogens

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (single exposure): Not classified

Specific Target Organ Toxicity (repeated exposure): Not classified

Aspiration Hazard: Not classified

Potential Adverse Human Health Effects and Symptoms: Based on available data, the classification criteria are not met. Harmful if swallowed.

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Swallowing a small quantity of this material will result in serious health hazard.

Section 12 ~ Ecological Information**Toxicity****Ammonium Hydrogen Difluoride (1341-49-7)**

LC50 fish 1 < 562 mg/l (LC50; 96 h; Brachydanio rerio)

Sulfuric Acid, conc>51%, aqueous solutions (7664-93-9)

LC50 fish 1 42 mg/l (LC50; 96 h)

EC50 Daphnia 1 29 mg/l (EC50; 24 h)

Phosphoric Acid (7664-38-2)

LC50 fish 1 138 mg/l (LC50)

Persistence and Degradability**E-Z KLEEN ACID**

Persistence and Degradability Not established.

Ammonium Hydrogen Difluoride (1341-49-7)

Persistence and degradability Biodegradability: not applicable. Not established.

ThOD Not applicable

Sulfuric Acid, conc>51%, aqueous solutions (7664-93-9)

Persistence and degradability Biodegradability: not applicable. No (test)data on mobility of the components available. Not established.

Biochemical oxygen demand (BOD) Not applicable

Chemical oxygen demand (COD) Not applicable

ThOD Not applicable

Phosphoric Acid (7664-38-2)

Persistence and degradability Biodegradability: not applicable. No (test)data on mobility of the components available. Not established.

Biochemical oxygen demand (BOD) Not applicable

Chemical oxygen demand (COD) Not applicable

ThOD Not applicable

Bioaccumulative Potential**E-Z KLEEN ACID**

Bioaccumulative potential Not established.

Ammonium Hydrogen Difluoride (1341-49-7)

Bioaccumulative potential Bioaccumulation: not applicable. Not established.

Sulfuric Acid, conc>51%, aqueous solutions (7664-93-9)

Log Pow -2.20 (Estimated value)

Bioaccumulative potential Bioaccumulation: not applicable. Not established.

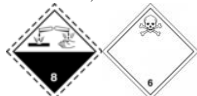
Phosphoric Acid (7664-38-2)

Log Pow -0.77 (Estimated value)

Bioaccumulative potential Bioaccumulation: not applicable. Not established.

Mobility in Soil: No additional information available**Other Adverse Effects****Effect on the Global Warming:** No known ecological damage caused by this product.**Other Information:** Avoid release to the environment.**Section 13 ~ Disposal Considerations****Waste Treatment Methods****Waste Disposal Recommendations:** Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.**Ecology - Waste Materials:** Avoid release to the environment.**Section 14 ~ Transport Information****Department of Transportation (DOT)**

In accordance with DOT

Transport Document Description: UN2817 Ammonium hydrogendifluoride, solution, 8, II**UN-No.(DOT):** UN2817**Proper Shipping Name (DOT):** Ammonium hydrogendifluoride, solution**Class (DOT):** 8 - Class 8 - Corrosive material 49 CFR 173.136**Hazard Labels (DOT):** 8 - Corrosive; 6.1 - Poison**Packing Group (DOT):** II - Medium Danger**DOT Packaging Bulk (49 CFR 173.xxx):** 243**DOT Packaging Exceptions (49 CFR 173.xxx):** 154**DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27):** 1 L**DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75):** 30 L**DOT Vessel Stowage Location:** B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded**DOT Vessel Stowage Other:** 40 - Stow "clear of living quarters"**Other Information:** No supplementary information available.**TDG:** No additional information available**Transport by Sea****UN-No. (IMDG):** 2817**Proper Shipping Name (IMDG):** AMMONIUM HYDROGENDIFLUORIDE SOLUTION**Class (IMDG):** 8 - Corrosive substances**Packing group (IMDG):** II - substances presenting medium danger**Air Transport****UN-No. (IATA):** 2817**Proper Shipping Name (IATA):** Ammonium hydrogendifluoride solution**Class (IATA):** 8 - Corrosives**Packing group (IATA):** II - Medium Danger

Section 15 ~ Regulatory Information**US Federal Regulations**

E-Z KLEEN ACID

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

sulfuric acid, conc>51%, aqueous solutions CAS No 7664-93-9 4 - 7%

Ammonium Hydrogen Difluoride (1341-49-7)

CERCLA RQ 100 lb

Sulfuric Acid, conc>51%, aqueous solutions (7664-93-9)

CERCLA RQ 1000 lb

SARA Section 302 Threshold Planning Quantity (TPQ) 1000 lb

Phosphoric Acid (7664-38-2)

CERCLA RQ 5000 lb

International Regulations**CANADA:** No additional information available**EU-Regulations:** No additional information available**National Regulations****sulfuric acid, conc>51%, aqueous solutions (7664-93-9)**

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

US State Regulations: California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm**Ammonium Hydrogen Difluoride (1341-49-7)**

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

Sulfuric Acid, conc>51%, aqueous solutions (7664-93-9)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

Phosphoric Acid (7664-38-2)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

Section 16 ~ Other Information

Other Information	None			
Full Text of H-phrases				
H301	Toxic if swallowed			
H302	Harmful if swallowed			
H314	Causes severe skin burns and eye damage			
H318	Causes serious eye damage			
H350	May cause cancer			
	NFPA	HMIS	Key	
HEALTH	3	3	4=	Severe
FLAMMABILITY	0	0	3=	Serious
REACTIVITY	1	0	2=	Moderate
OTHER/PROTECTION	-	B	1=	Slight
			0=	Minimal

B= Safety glasses, Gloves

DISCLAIMER: Omega Industrial Supply, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. 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.

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