

Section 1 ~ Identification

Identity (As Used On Label and List) G3209 RUST AWAY	Date Prepared: 06-05-2015
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
H302: Acute toxicity (oral), Category 4
H314: Skin corrosion/irritation, Category 1A
H318: Serious eye damage/eye irritation, Category 1
Full text of H Statements: see section 16

Label Elements

GHS-US Labeling

Hazardous Pictograms (GHS-US)



GHS05

GHS07

Signal Word (GHS-US): Danger

Contains: Ammonium hydrogen difluoride; phosphoric acid; oxalic acid

Hazardous Statements (GHS-US)

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage

Precautionary Statement (GHS-US)

P260 - Do not breathe fume
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear eye protection, protective gloves
P301+P312 - If swallowed: Call a doctor if you feel unwell
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a doctor
P321 - Specific treatment (see a doctor on this label)
P330 - Rinse mouth
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P501 - 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	10 – 20	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314
Phosphoric acid	7664-38-2	3.75 – 7.5	Skin Corr. 1B, H314
Oxalic acid	144-62-7	1 – 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318

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: No additional information available

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 fume. Avoid contact during pregnancy/while nursing.

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

phosphoric acid (7664-38-2)

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

OSHA OSHA PEL (TWA) (mg/m³) 1 mg/m³

oxalic acid (144-62-7)

ACGIH ACGIH TWA (mg/m³) 1 mg/m³

ACGIH ACGIH STEL (mg/m³) 2 mg/m³

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

OSHA OSHA PEL (TWA) (mg/m³) 1 mg/m³

Exposure Controls

Personal Protective Equipment: Avoid all unnecessary exposure.

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

Physical State: Liquid

Color: Green

Odor: characteristic

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: 1.091

Solubility: Water: Solubility in water of component(s) of the mixture: • ammonium hydrogen difluoride: 63 g/100ml • phosphoric acid: Complete • oxalic acid: 10 g/100ml

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: fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapors.

Section 11 ~ Toxicological Information

Acute Toxicity: Oral: Harmful if swallowed.

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ATE US (oral) 610.329 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

phosphoric acid (7664-38-2)

LD50 oral rat 4400 mg/kg (Rat)

ATE US (oral) 4400.000 mg/kg bodyweight

oxalic acid (144-62-7)

ATE US (oral) 500.000 mg/kg bodyweight

ATE US (dermal) 1100.000 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

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)

phosphoric acid (7664-38-2)

LC50 fish 1 138 mg/l (LC50)

oxalic acid (144-62-7)

LC50 fish 1 34.1 mg/l (LC50; 96 h; Pimephales promelas)

EC50 Daphnia 1 137 mg/l (EC50; 48 h)

Persistence and Degradability

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Persistence and degradability Not established.

ammonium hydrogen difluoride (1341-49-7)

Persistence and degradability Biodegradability: not applicable. Not established.

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

oxalic acid (144-62-7)

Persistence and degradability Readily biodegradable in water. Readily biodegradable in water in anaerobic conditions. Photolysis in water. Biodegradable in the soil. Photolysis in the air. Not established.

Biochemical oxygen demand (BOD) 0.14 g O₂/g substance

Chemical oxygen demand (COD) 0.18 g O₂/g substance

ThOD 0.18 g O₂/g substance

Bioaccumulative Potential

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Bioaccumulative potential Not established.

ammonium hydrogen difluoride (1341-49-7)

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.

oxalic acid (144-62-7)

Log Pow -2.22 - -1.74 (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 Disposal Recommendations: 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

Not regulated for transport

TDG: No additional information available

Transport by Sea: No additional information available

Air Transport: No additional information available

Section 15 ~ Regulatory Information

US Federal regulations

RUST AWAY

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

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

ammonium hydrogen difluoride (1341-49-7)

CERCLA RQ 100 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: No additional information available

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

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

oxalic acid (144-62-7)

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

Section 16 ~ Other Information

Other Information: None.

Full text of H-statements:

H301 Toxic if swallowed H314 Causes severe skin burns and eye damage

H302 Harmful if swallowed H318 Causes serious eye damage

H312 Harmful in contact with skin

	NFPA	HMIS	Key
HEALTH	2	2	4= Severe
FLAMMABILITY	0	0	3= Serious
REACTIVITY	1	1	2= Moderate
OTHER/PROTECTION	-	B	1= Slight
			0= Minimal
			B= Safety glasses, Gloves

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