

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) Q2068 US&O Super Coat	Date Prepared: 07-13-2015
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 Skin Corr. 1B Causes severe skin burns and eye damage.
Eye Dam. 1 Causes serious eye damage.

Hazard Pictograms (GHS-US)



GHS05

Signal Word (GHS-US)

Danger

Hazard Statement

Causes severe skin burns and eye damage.

Precautionary Statement

Do not breathe spray, mist, vapors. Wash hands thoroughly after handling. Wear eye protection, protective gloves. **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 section on this label, on this label). 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 and Acute Toxicity (GHS-US) Not applicable

Section 3 ~ Composition/Information on Ingredients

Substance: Not applicable **Mixture**

Components (Specific Chemical Identity, Common Name(s))	CAS No.	%(WT)	GHS-US Classification
Phosphoric Acid	7664-38-2	12 – 15%	Skin corr. 1B, H314
Hydrochloric Acid	7647-01-0	9 – 9.9%	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Oxalic Acid	144-62-7	2 – 4%	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318
Varonic T 202 SR ETHOMEEN T/15	61791-26-2	2 – 4%	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms/Effects, Acute And Delayed

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

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

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.

Indication Of Any Immediate Medical Attention And Special Treatment Needed: No additional information available.

Section 5 ~ Fire Fighting Measures

Suitable 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 Fire-Fighters

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 Fire-Fighting: 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

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 vapors, spray, mist.

Hygiene Measures: Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

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

Phosphoric Acid (7664-38-2)

ACGIH	Remark (ACGIH)	URT, eye, & skin irr
OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³

Oxalic Acid (144-62-7)

ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
ACGIH	ACGIH STEL (mg/m ³)	2 mg/m ³
ACGIH	Remark (ACGIH)	URT, eye, & skin irr
OSHA	OSHA PEL (TWA) (mg/m ³)	1 mg/m ³

Hydrochloric Acid (7647-01-0)

ACGIH	Remark (ACGIH)	URT irr
OSHA	OSHA PEL (Ceiling) (mg/m ³)	7 mg/m ³
OSHA	OSHA PEL (Ceiling) (ppm)	5 ppm

Exposure Controls

Personal Protective Equipment: Safety glasses. Gloves.



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 Chemical Properties

Boiling Point	No Data Available.	Log Pow	No Data Available.
Vapor Pressure	No Data Available	Melting/Freezing Point	No Data Available.
Vapor Density at 20° C	No Data Available	Relative Evaporation Rate (Butylacetate = 1)	No Data Available.
Solubility	Water: Solubility in water of component(s) of the mixture: <i>Phosphoric Acid</i> : Complete, <i>Oxalic Acid</i> : 10 g/100ml, <i>Hydrochloric Acid</i> : Complete	pH	< 2
Relative Density	No Data Available	Flammability (solid,gas)	No Data Available.
Explosive Properties	No Data Available	Explosive Limits	No Data Available.
Auto-Ignition Temperature	No Data Available.	Oxidizing Properties	No Data Available.
Appearance and Odor	Green liquid, mint odor.	Viscosity	No Data Available.
Flash Point	No Data Available.	Viscosity, Kinematic/Dynamic	No Data 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: Not classified.

<u>Product</u>	<u>Species</u>	<u>Test Results</u>
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 mg/kg (Rat)
	ATE US (dermal)	1100.000 mg/kg bodyweight
Varonic T 202 SR ETHOMEEN T/15 (61791-26-2)	LD50 oral rat	500 mg/kg (Rat)
	ATE US (oral)	500.000 mg/kg bodyweight

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

pH: < 2

Serious Eye Damage/Irritation: Causes serious eye damage.

pH: < 2

Respiratory Or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Hydrochloric Acid (7647-01-0)	
IARC group	3 – Not Classifiable

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.

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

Section 12 ~ Ecological Information

Toxicity

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 137 mg/l (EC50; 48 h)

Hydrochloric Acid (7647-01-0)

LC50 fish 1 282 mg/l (LC50; 96 h)
EC50 Daphnia 1 < 56 mg/l (EC50; 72 h)

Persistence And Degradability

US&O SUPER COAT

Persistence and Degradability Not established.

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

Hydrochloric Acid (7647-01-0)

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

Varonic T 202 SR ETHOMEEN T/15 (61791-26-2)

Persistence and Degradability Not readily biodegradable in water. Not established.

Bioaccumulative Potential

US&O SUPER COAT

Bioaccumulative Potential 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.

Hydrochloric Acid (7647-01-0)

Log Pow 0.3
Bioaccumulative Potential Low potential for bioaccumulation (Log Kow < 4).

Varonic T 202 SR ETHOMEEN T/15 (61791-26-2)

Bioaccumulative Potential Not established.

Mobility in soil

Hydrochloric Acid (7647-01-0)

Ecology - soil May be harmful to plant growth, blooming and fruit formation.

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.

Ecology - Waste Materials: Avoid release to the environment.

Section 14 ~ Transport Information

Department of Transportation (DOT)

In Accordance With DOT

Transport Document Description: UN1789 Hydrochloric acid, 8, II

UN-No.(DOT): UN1789

Proper Shipping Name (DOT): Hydrochloric acid

Transport hazard class(es) (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT): 8 - Corrosive



LTD QTY - Limited quantity

Packing Group (DOT): II - Medium Danger

DOT Packaging Bulk (49 CFR 173.xxx): 241

DOT Packaging Exceptions (49 CFR 173.xxx): 154

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 60 L

DOT Vessel Stowage Location: C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel.

DOT Vessel Stowage Other: 8 - Glass carboys not permitted on passenger vessels

Other Information: No supplementary information available.

TDG

No additional information available.

Transport by Sea

UN-No. (IMDG): 1789

Proper Shipping Name (IMDG): HYDROCHLORIC ACID

Class (IMDG): 8 - Corrosive substances

Packing group (IMDG): III - substances presenting low danger

Air Transport

UN-No. (IATA): 1789

Proper Shipping Name (IATA): Hydrochloric acid

Class (IATA): 8 - Corrosives

Packing Group (IATA): III - Minor Danger

Section 15 ~ Regulatory Information

US federal Regulations: 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.

Hydrochloric Acid CAS No 7647-01-0 9 – 9.9%

Phosphoric Acid (7664-38-2)

Not subject to reporting requirements of the United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists) 5000 lb

Hydrochloric Acid (7647-01-0)

Not subject to reporting requirements of the United States SARA Section 313. Subject to reporting requirements of United States SARA Section 313.

RQ (Reportable quantity, section 304 of EPA's List of Lists) 5000 lb

SARA Section 302 Threshold Planning Quantity (TPQ) 500 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.

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

hydrochloric acid (7647-01-0) U.S. - New Jersey - Right to Know Hazardous Substance List

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

Section 16 ~ Other Information

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other Information: None.

Full text of H-statements

Acute Tox. 4	(Dermal) Acute toxicity (dermal), Category 4	H302	Harmful if swallowed
Acute Tox. 4	(Oral) Acute toxicity (oral), Category 4	H312	Harmful in contact with skin
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	H314	Causes severe skin burns and eye damage
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	H315	Causes skin irritation
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage
Skin Corr. 1A	Skin corrosion/irritation, Category 1A	H335	May cause respiratory irritation
Skin Corr. 1B	Skin corrosion/irritation, Category 1B	H400	Very toxic to aquatic life
Skin Irrit. 2	Skin corrosion/irritation, Category 2	H410	Very toxic to aquatic life with long lasting effects
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation.		

	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

Disclaimer: Omega Industrial Supply, Inc. No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material.