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) **A1070 P.G.C.**	**Date Prepared:** 01-27-2016
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

Physical Hazards Flammable aerosols Category 1
Health Hazards Not classified.
OSHA Defined Hazards Not classified.

Label Elements

Signal Word: Danger.

Hazard Statement Extremely flammable aerosol.
Precautionary Statement
Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.
Response If exposed or concerned: Get medical advice/attention.
Storage Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not Otherwise Classified (HNOC) None known. ***Supplemental Information*** None.

Section 3 ~ Composition/Information on Ingredients

Chemical Name	Common Name and Synonyms	CAS No.	%(Wt.)
Butane		106-97-8	2.5 – 10
Isopropyl Alcohol		67-63-0	2.5 – 10
Propane		74-98-6	1 – 2.5
Ammonium Hydroxide		1336-21-6	0.1 – 1
Other components below reportable levels			90 – 100

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4 ~ First Aid Measures

Inhalation: If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.
Skin Contact: Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.
Ingestion: Rinse mouth. Get medical attention if symptoms occur.
Most Important Symptoms/Effects, Acute and Delayed: Direct contact with eyes may cause temporary irritation.
Indication of Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.
General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 ~ Fire Fighting Measures

Suitable Extinguishing Media: Not available.
Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from The Chemical: Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special Protective Equipment and Precautions For Firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-Fighting Equipment/Instructions: Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific Methods: Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
General Fire Hazards: Extremely flammable aerosol.

Section 6 ~ Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and Materials For Containment And Cleaning Up: Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. For waste disposal, see section 13 of the SDS.
Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

Section 7 ~ Handling and Storage

Precautions for Safe Handling: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for Safe Storage, Including Any Incompatibilities: Level 1 Aerosol. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

Section 8 ~ Exposure Controls/Personal Protection

Occupational Exposure Limits:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	***Type***	***Value***
Isopropyl Alcohol (67-63-0)	PEL	980 mg/m3 400 ppm

Propane (74-98-6)	PEL	1800 mg/m3 1000 ppm

US. ACGIH Threshold Limit Values

Components	*Type*	*Value*
Butane (106-97-8)	STEL	1000 ppm
Isopropyl Alcohol (67-63-0)	STEL	400 ppm
	TWA	200 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	*Type*	*Value*
Butane (106-97-8)	TWA	1900 mg/m3 800 ppm
Isopropyl Alcohol (67-63-0)	STEL	1225 mg/m3 500 ppm
	TWA	980 mg/m3 400 ppm
Propane (74-98-6)	TWA	1800 mg/m3 1000 ppm

Biological Limit Values

ACGIH Biological Exposure Indices

Components	*Value*	*Determinant*	*Specimen*	*Sampling Time*
Isopropyl Alcohol (67-63-0)	40 mg/l	Acetone	Urine	*

* - For sampling details, please see the source document.

Appropriate Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other: Wear suitable protective clothing.

Respiratory Protection: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.

General Hygiene Considerations: When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 ~ Physical Chemical Properties

Physical State: Gas.
Form: Aerosol.
Color: Not available.
Odor: Not available.
Odor Threshold: Not available.
pH: Not available.
Melting Point/Freezing Point: Not available.
Initial Boiling Point and Boiling Range: 212 °F (100 °C) estimated
Flash Point: -156.0 °F (-104.4 °C) Propellant estimated
Evaporation Rate: Not available.

Flammability (solid, gas) Not available.
Upper/Lower Flammability or Explosive Limits
Flammability Limit – Lower (%): 2.5 % estimated
Flammability Limit – Upper (%): 12 % estimated
Explosive Limit - Lower (%): Not available.
Explosive Limit - Upper (%): Not available.
Vapor Pressure: 60 psig @70F estimated
Vapor Density: Not available.
Relative Density: Not available.

Solubility(ies)
Solubility (water): Not available.
Partition Coefficient (n-octanol/water): Not available.
Auto-Ignition Temperature: 797 °F (425 °C) estimated
Decomposition Temperature: Not available.
Viscosity: Not available.
Other Information
Explosive Properties: Not explosive.
Oxidizing Properties: Not oxidizing.
Specific Gravity: 0.965 estimated

Section 10 ~ Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability: Material is stable under normal conditions.
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.
Conditions to Avoid: Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible Materials: Strong oxidizing agents. Isocyanates. Chlorine.
Hazardous Decomposition Products: No hazardous decomposition products are known.

Section 11 ~ Toxicological Information

Information on likely routes of exposure
Inhalation: No adverse effects due to inhalation are expected.
Skin Contact: No adverse effects due to skin contact are expected.
Eye Contact: Direct contact with eyes may cause temporary irritation.
Ingestion: Expected to be a low ingestion hazard.
Symptoms Related to The Physical, Chemical and Toxicological Characteristics: Direct contact with eyes may cause temporary irritation.
Information on Toxicological Effects
Acute Toxicity:

Product	*Species*	*Test Results*
P.G.C		
Acute		
Inhalation LC50	Rat	1223 mg/l/4h

Components	*Species*	*Test Results*
Butane (106-97-8)		
Acute		
Inhalation LC50	Mouse	1237 mg/l, 120 Minutes 52%, 120 Minutes
	Rat	1355 mg/l
Isopropyl Alcohol (67-63-0)		
Acute		
Dermal LD50	Rabbit	16.4 ml/kg, 24 Hours
Inhalation LC50	Rat	>10000 ppm, 6 Hours
Oral Ld50	Rat	5.84 g/kg
Propane (74-98-6)		
Acute		
Inhalation LC50	Mouse	1237 mg/l, 120 Minutes 52%, 120 Minutes
	Rat	1355 mg/l 658 mg/l/4h

* Estimates for product may be based on additional component data not shown.

Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.
Serious Eye Damage/Eye Irritation: Direct contact with eyes may cause temporary irritation.
Respiratory or Skin Sensitization
Respiratory Sensitization: Not a respiratory sensitizer.
Skin Sensitization: This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity: Not listed.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not regulated.
US. National Toxicology Program (NTP) Report on Carcinogens: Not listed.
Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity - Single Exposure: Not classified.
Specific Target Organ Toxicity - Repeated Exposure: Not classified.
Aspiration Hazard: Not likely, due to the form of the product.
Chronic Effects: Not expected to be hazardous by WHMIS criteria.

Section 12 ~ Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product		Species	Test Results
P.G.C			
Aquatic			
Algae	IC50	Algae	18279 mg/L, 72 Hours
Crustacea	EC50	Daphnia	888 mg/L, 48 Hours
Fish	LC50	Fish	3581 mg/L, 96 Hours

Components		Species	Test Results
Ammonium Hydroxide (1336-21-6)			
Aquatic			
Crustacea	EC50	Daphnia	0.66 mg/L, 48 Hours
Fish	LC50	Western mosquitofish (Gambusia affinis)	15 mg/l, 96 hours
Isopropyl Alcohol (67-63-0)			
Aquatic			
Algae	IC50	Algae	1000.0001 mg/L, 72 Hours
Crustacea	EC50	Daphnia	13299 mg/L, 48 Hours
Fish	LC50	Bluegill (lepomis macrochirus)	> 1400 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and Degradability: No data is available on the degradability of this product.
Bioaccumulative Potential

Partition Coefficient n-octanol / water (log Kow)	**Butane**	2.89	**Isopropyl Alcohol**	0.05	**Propane**	2.36

Mobility in soil No data available.
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 ~ Disposal Considerations

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local Disposal Regulations: Dispose in accordance with all applicable regulations.
Hazardous Waste Code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from Residues / Unused Products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Section 14 ~ Transport Information

DOT
UN Number: UN1950
UN Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)
Transport Hazard Class(es)
Class: 2.1
Subsidiary Risk: -
Label(s): 2.1
Packing Group: Not applicable.
Special Provisions: N82
Packaging Exceptions: 306
Packaging Non Bulk: None
Packaging Bulk: None

IATA
UN Number: UN1950
UN Proper Shipping Name: Aerosols, flammable
Transport Hazard Class(es)
Class: 2.1
Subsidiary Risk: -
Label(s): 2.1
Packing Group: Not applicable.
Environmental Hazards: No.
ERG Code: 10L
Passenger and Cargo Aircraft: Allowed with restrictions.
Other Information
Cargo Aircraft Only: Allowed with restrictions.
Packaging Exceptions: LTD QTY

Imdg
UN Number: UN1950
UN Proper Shipping Name: Aerosols
Transport Hazard Class(es)
Class: 2.1
Subsidiary Risk: -
Label(s): None
Packing Group: Not applicable.
Environmental Hazards
Marine Pollutant: No.
EmS: F-D, S-U
Packaging Exceptions: LTD QTY
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

DOT

IATA;IMDG

Section 15 ~ Regulatory Information

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4): Ammonium Hydroxide (CAS 1336-21-6) Listed.
SARA 304 Emergency Release Notification: Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories: Immediate Hazard – No Delayed Hazard – No Fire Hazard - Yes
Pressure Hazard – Yes Reactivity Hazard – No
SARA 302 Extremely Hazardous Substance: Not listed.

SARA 311/312 Hazardous Chemical: No
SARA 313 (TRI reporting): Not regulated.
Other Federal Regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Butane (106-97-8) Propane (74-98-6)
Safe Drinking Water Act (SDWA): Not regulated.
US State Regulations
US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100): Not listed.
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)):
Butane (106-97-8) Isopropyl Alcohol (67-63-0)

US. Massachusetts RTK - Substance List	**US. New Jersey Worker and Community Right-to-Know Act**	**US. Pennsylvania Worker and Community Right-to-Know Law**	**US. Rhode Island RTK**
Ammonium Hydroxide (1336-21-6)	Ammonium Hydroxide (1336-21-6)	Ammonium Hydroxide (1336-21-6)	Ammonium Hydroxide (1336-21-6)
Butane (106-97-8)	Butane (106-97-8)	Butane (106-97-8)	Butane (106-97-8)
Isopropyl Alcohol (67-63-0)	Isopropyl Alcohol (67-63-0)	Isopropyl Alcohol (67-63-0)	Isopropyl Alcohol (67-63-0)
Propane (74-98-6)	Propane (74-98-6)	Propane (74-98-6)	Propane (74-98-6)

US. California Proposition 65 WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
US - California Proposition 65 - CRT: Listed Date/Developmental Toxin: 2-Ethoxyethanol (110-80-5) Listed: January 1, 1989
Ethylene Glycol (107-21-1) Listed: June 19, 2015
US - California Proposition 65 - CRT: Listed Date/Male Reproductive Toxin: 2-Ethoxyethanol (110-80-5) Listed: January 1, 1989

International Inventories

Country(s) or region	**Inventory name**	**On inventory (yes/no)***
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 ~ Other Information

	NFPA	**HMIS**
HEALTH	1	1
FLAMMABILITY	2	2
REACTIVITY / PHYSICAL HAZARD	0	0
OTHER/PROTECTION	-	X

Key
4= Severe
3= Serious
2= Moderate
1= Slight
0= Minimal