

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) A1244 Fresh and Clean	Date Prepared: 11-21-2015
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

Physical Hazards	Flammable aerosols	Category 1	Hazard Statement:	Extremely flammable aerosol.
Health Hazards	Not classified		Signal Word:	Danger
OSHA Defined Hazards	Not classified			

Label Elements



Precautionary Statement	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.
Prevention	
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 contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known
Supplemental Information	None

Section 3 ~ Composition/Information on Ingredients

Components (Specific Chemical Identity, Common Name(s))	CAS No.	%(Wt.)
Butane	106-97-8	2.5 – 10
Propane	74-98-6	1 – 2.5
Sodium Nitrite	7632-00-0	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. Prevent product from entering drains. For waste disposal, see section 13 of the SDS.
Environmental Precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. 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. Avoid release to the environment. Observe good industrial hygiene practices. Level 1 Aerosol.
Conditions for safe storage, including any incompatibilities: 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).

Section 8 ~ Exposure Controls/Personal Protection

Occupational Exposure Limits US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)			US. NIOSH: Pocket Guide to Chemical Hazards		
Components	Type	Value	Components	Type	Value

Propane (CAS 74-98-6)	PEL	1800 mg/m3 1000 ppm	Butane (CAS 106-97-8)	TWA	1900 mg/m3 800 ppm
US. ACGIH Threshold Limit Values			Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm
Components	Type	Value			
Butane (CAS 106-97-8)	STEL	1000ppm			

Biological Limit Values: No biological exposure limits noted for the ingredient(s).

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. 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

pH	8.5 -9.5 estimated	Vapor Pressure	55 psig @70F estimated
Melting/Freezing Point	Not Available	Vapor Density	Not Available
Boiling Point	Not Available	Relative Density	Not Available
Flash Point	-156.0°F (-104.4°C) Propellant estimated	Solubility (Water)	Not Available
Evaporation Rate	Not Available	Partition Coefficient (n-octanol/water)	Not Available
Flammability (solid, gas)	Not Available	Auto-Ignition Temperature	Not Available
Lower Flammability Level	Not Available	Decomposition Temperature	Not Available
Upper Flammability Level	Not Available	Viscosity	Not Available
Explosive Limit Lower	Not Available	Explosive Properties	Not Explosive
Explosive Limit Higher	Not Available	Oxidizing Properties	Not Oxidizing
Appearance and Odor	Gas aerosol, odor not available	Specific Gravity	0.927 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.

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.

Symptoms Related To The Physical, Chemical And Toxicological Characteristics: Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Butane (CAS 106-97-8)		
Inhalation		
LC50	Mouse	1237 mg/l, 120 Minutes
	Rat	52%, 120 Minutes
		1355 mg/l
Propane (CAS 74-98-6)		
Inhalation		
LC50	Mouse	1237 mg/l, 120 minutes
	Rat	52%, 120 Minutes
		1355 mg/l
		658 mg/l/4h
Sodium Nitrite (CAS 7632-00-0)		
Oral		
Ld50	Rat	180 mg/kg

* 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.

Eye Contact: Direct contact with eyes may cause temporary irritation.

Ingestion: Expected to be a low ingestion hazard.

IARC Monographs. Overall Evaluation of Carcinogenicity: Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens: Not available.

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.

Section 12 ~ Ecological Information

Ecotoxicity: Harmful to aquatic life with long lasting effects.

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Sodium Nitrite (CAS 7632-22-0)		
Aquatic		
Crustacea	EC50 Greasyback shrimp (Metapenaeus)	16.14 - 26.61 mg/l, 48 hours
Fish	LC50 Rainbow trout, Donaldson trout (Oncorhynchus mykiss)	0.15 - 0.25 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 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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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

US Depart. of Transportation (DOT)	Water Transportation (IMDG)	Air Transportation (IATA)
<p>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 Precautions For User: Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. Special Provisions: N82 Packaging Exceptions: 306 Packaging Non Bulk: None Packaging Bulk: None 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. DOT</p>	<p>UN Number: UN1950 UN Proper Shipping Name: AEROSOLS Transport Hazard Class(es) Class: 2.1 Subsidiary Risk: - Label(s) 2.1 Packing Group: Not applicable. Environmental Hazards Marine Pollutant: No. EmS: F-D, S-U Special precautions for user: Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. Packaging Exceptions LTD QTY Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.</p>	<p>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 Special Precautions For User: Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling. Other Information Passenger And Cargo Aircraft: Allowed with restrictions. Cargo Aircraft Only: Allowed with restrictions. Packaging Exceptions: LTD QTY</p>
	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 707, Subpt. D): Sodium Nitrite (CAS 7632-00-0) Listed

SARA 304 Emergency Release Notification: Not Regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not Listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories:	Immediate Hazard - No	Fire Hazard - Yes	Reactivity Hazard - No
	Delayed Hazard - No	Pressure Hazard - Yes	

SARA 302 Extremely Hazardous Substance: Not Listed

SARA 311/312 Hazardous Chemical: No

SARA 313 (TRI reporting) Chemical Name	CAS number	% by wt.
Sodium Nitrite	7632-00-0	0.1 - 1

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 (CAS 106-97-8) Propane (CAS 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 (CAS 106-97-8)

US. Massachusetts RTK - Substance List	US. New Jersey Worker and Community Right-to-Know Act	US. Pennsylvania Worker and Community Right-to-Know Law	Rhode Island RTK
Butane (CAS 106-97-8)	Butane (CAS 106-97-8)	Butane (CAS 106-97-8)	Butane (CAS 106-97-8)
Propane (CAS 74-98-6)	Propane (CAS 74-98-6)	Propane (CAS 74-98-6)	Propane (CAS 74-98-6)
Sodium Nitrite (CAS 7632-00-0)	Sodium Nitrite (CAS 7632-00-0)	Sodium Nitrite (CAS 7632-00-0)	Sodium Nitrite (CAS 7632-00-0)

US. California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
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).

Listed.
Listed.

Section 16 ~ Other Information

	NFPA	HMIS	Key
HEALTH	1	1	4= Severe
FLAMMABILITY	2	2	3= Serious
REACTIVITY	0	0	2= Moderate
OTHER/PROTECTION	-	X	1= Slight 0= Minimal

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