

Safety Data Sheet P-4648

Making our planet more productive"

This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Revision date: 10/24/2016 Date of issue: 01/01/1983

Supersedes: 04/08/2015

	Date of issue. 01/01/1983 Revision date. 10/24/2016 Supersedes. 04/08/2015	
SECTION: 1. Product and co	ompany identification	
1.1. Product identifier		
Product form	: Substance	
Name	: Propylene	
CAS No	: 115-07-1	
Formula	: C3H6	
1.2. Relevant identified uses of	of the substance or mixture and uses advised against	
Use of the substance/mixture	: Industrial use. Use as directed.	
1.3. Details of the supplier of	the safety data sheet	
	Praxair, Inc. 10 Riverview Drive Danbury, CT 06810-6268 - USA T 1-800-772-9247 (1-800-PRAXAIR) - F 1-716-879-2146 <u>www.praxair.com</u>	
1.4. Emergency telephone nu	mber	
Emergency number	: Onsite Emergency: 1-800-645-4633	
	CHEMTREC, 24hr/day 7days/week — Within USA: 1-800-424-9300, Outside USA: 001-703-527-3887 (collect calls accepted, Contract 17729)	
SECTION 2: Hazard identific	cation	
2.1. Classification of the subs	stance or mixture	
GHS-US classification Flam. Gas 1 H220 Liquefied gas H280		
2.2. Label elements		
GHS-US labeling		
Hazard pictograms (GHS-US)	: GHS02 GHS04	
Signal word (GHS-US)	: DANGER	
Hazard statements (GHS-US)	: H220 - EXTREMELY FLAMMABLE GAS H280 - CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED OSHA-H01 - MAY DISPLACE OXYGEN AND CAUSE RAPID SUFFOCATION CGA-HG04 - MAY FORM EXPLOSIVE MIXTURES WITH AIR CGA-HG01 - MAY CAUSE FROSTBITE	
Precautionary statements (GHS-US)	 P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from Heat, Open flames, Sparks, Hot surfaces No smoking P271+P403 - Use and store only outdoors or in a well-ventilated place P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely P381 - Eliminate all ignition sources if safe to do so CGA-PG05 - Use a back flow preventive device in the piping CGA-PG12 - Do not open valve until connected to equipment prepared for use CGA-PG06 - Close valve after each use and when empty CGA-PG11 - Never put cylinders into unventilated areas of passenger vehicles CGA-PG02 - Protect from sunlight when ambient temperature exceeds 52°C (125°F) 	
EN (English US)	SDS ID: P-4648	1/10

EN (English US)

SDS ID: P-4648



Safety Data Sheet P-4648

Making our planet more productive" This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication.

8 1 1	conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. sue: 01/01/1983 Revision date: 10/24/2016 Supersedes: 04/08/2015
2.3. Other hazards	
Other hazards not contributing to the classification :	: Contact with liquid may cause cold burns/frostbite.
2.4. Unknown acute toxicity (GHS US)	
	No data available
SECTION 3: Composition/Information	on ingredients
3.1. Substance	
Name	Product identifier %
Propylene (Main constituent)	(CAS No) 115-07-1 100
3.2. Mixture	
Not applicable	
SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.
First-aid measures after skin contact	: The liquid may cause frostbite. For exposure to liquid, immediately warm frostbite area with warm water not to exceed 105°F (41°C). Water temperature should be tolerable to normal skin. Maintain skin warming for at least 15 minutes or until normal coloring and sensation have returned to the affected area. In case of massive exposure, remove clothing while showering with warm water. Seek medical evaluation and treatment as soon as possible. Adverse effects not expected from this product.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Hold the eyelids open and away from the eyeballs to ensure that all surfaces are flushed thoroughly. Contact an ophthalmologist immediately Get immediate medical attention.
First-aid measures after ingestion	: Ingestion is not considered a potential route of exposure.
4.2. Most important symptoms and effects	s, both acute and delayed
	No additional information available
4.3. Indication of any immediate medical a None.	attention and special treatment needed
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Carbon dioxide, Dry chemical, Water spray or fog.
5.2. Special hazards arising from the subs	stance or mixture
Fire hazard :	: EXTREMELY FLAMMABLE GAS . If venting or leaking gas catches fire, do not extinguish flames. Flammable vapors may spread from leak, creating an explosive reignition hazard. Vapors can be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge, or other ignition sources at locations distant from product handling point. Explosive atmospheres may linger. Before entering an area, especially a confined area, check the atmosphere with an appropriate device.
Explosion hazard :	: EXTREMELY FLAMMABLE GAS. Forms explosive mixtures with air and oxidizing agents.
Reactivity	: No reactivity hazard other than the effects described in sub-sections below.
5.3. Advice for firefighters	
Firefighting instructions :	: Evacuate all personnel from the danger area. Use self-contained breathing apparatus (SCBA) and protective clothing. Immediately cool containers with water from maximum distance. Stop flow of gas if safe to do so, while continuing cooling water spray. Remove ignition sources if safe to do so. Remove containers from area of fire if safe to do so. On-site fire brigades must comply with OSHA 29 CFR 1910.156 and applicable standards under 29 CFR 1910 Subpart L—Fire Protection.
Protection during firefighting	: Compressed gas: asphyxiant. Suffocation hazard by lack of oxygen.
Special protective equipment for fire fighters	: Standard protective clothing and equipment (Self Contained Breathing Apparatus) for fire fighters.
EN (English US)	SDS ID: P-4648 2/10

EN (English US)



Safety Data Sheet P-4648

We^{**} This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Date of issue: 01/01/1983 Revision date: 10/24/2016 Supersedes: 04/08/2015

Specific methods	: Use fire control measures appropriate for the surrounding fire. Exposure to fire and heat radiation may cause gas containers to rupture. Cool endangered containers with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems
	Stop flow of product if safe to do so
	Use water spray or fog to knock down fire fumes if possible
	Do not extinguish a leaking gas flame unless absolutely necessary. Spontaneous/explosive re- ignition may occur. Extinguish any other fire.

SECT	ION 6: Accidental release mea	asures
6.1.	Personal precautions, protective e	equipment and emergency procedures
Genera	al measures	: Eliminate ignition sources. Evacuate area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Wear self-contained breathing apparatus when entering area unless atmosphere is proven to be safe. Ensure adequate ventilation. Stop leak if safe to do so.
6.1.1.	For non-emergency personnel	No additional information available
6.1.2.	For emergency responders	No additional information available
6.2.	Environmental precautions	
		Try to stop release. Prevent waste from contaminating the surrounding environment. Prevent soil and water pollution. Dispose of contents/container in accordance with local/regional/national/international regulations. Contact supplier for any special requirements.
6.3.	Methods and material for containm	nent and cleaning up
		No additional information available
6.4.	Reference to other sections	
		See also sections 8 and 13.
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
Precau	tions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Use only explosion-proof equipment
		Wear leather safety gloves and safety shoes when handling cylinders. Protect cylinders from physical damage; do not drag, roll, slide or drop. While moving cylinder, always keep in place removable valve cover. Never attempt to lift a cylinder by its cap; the cap is intended solely to protect the valve. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Never insert an object (e.g, wrench, screwdriver, pry bar) into cap openings; doing so may damage the valve and cause a leak. Use an adjustable strap wrench to remove over-tight or rusted caps. Slowly open the valve. If the valve is hard to open, discontinue use and contact your supplier. Close the container valve after each use; keep closed even when empty. Never apply flame or localized heat directly to any part of the container. High temperatures may damage the container and could cause the pressure relief device to fail prematurely, venting the container contents. For other precautions in using this product, see section 16.



Safety Data Sheet P-4648

This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Revision date: 10/24/2016 Date of issue: 01/01/1983 Supersedes: 04/08/2015

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store only where temperature will not exceed 125°F (52°C). Post "No Smoking/No Open Flames" signs in storage and use areas. There must be no sources of ignition. Separate packages and protect against potential fire and/or explosion damage following appropriate codes and requirements (e.g, NFPA 30, NFPA 55, NFPA 70, and/or NFPA 221 in the U.S.) or according to requirements determined by the Authority Having Jurisdiction (AHJ). Always secure containers upright to keep them from falling or being knocked over. Install valve protection cap, if provided, firmly in place by hand when the container is not in use. Store full and empty containers separately. Use a first-in, first-out inventory system to prevent storing full containers for long periods. For other precautions in using this product, see section 16 OTHER PRECAUTIONS FOR HANDLING, STORAGE, AND USE: When handling product under pressure, use piping and equipment adequately designed to withstand the pressures to be encountered. Never work on a pressurized system. Use a back flow preventive device in the piping. Gases can cause rapid suffocation because of oxygen deficiency; store and use with adequate ventilation. If a leak occurs, close the container valve and blow down the system in a safe and environmentally correct manner in compliance with all international, federal/national, state/provincial, and local laws; then repair the leak. Never place a container where it may become part of an electrical circuit.

Specific end use(s) 7.3.

Exposure controls

82

None.

SECTION 8: Exposure controls/personal protection

8.1. (Control parameters		
Propyler	ne (115-07-1)		
ACGIH		ACGIH TLV-TWA (ppm)	500 ppm
USA OSI	HA	Not established	

Appropriate engineering controls	: During welding, ensure that there is adequate ventilation to keep worker exposure below applicable limits for fumes, gases, and other by-products of welding. Do not breathe fumes or gases. Short-term overexposure to fumes may cause dizziness, nausea, and dryness or irritation of the nose, throat, and eyes, or may cause other similar discomfort. Use an explosion-proof local exhaust system. Local exhaust and general ventilation must be adequate to meet exposure standards. MECHANICAL (GENERAL): Inadequate - Use only in a closed system. Use explosion proof equipment and lighting.
Hand protection	: Wear working gloves when handling gas containers. Wear work gloves when handling containers; welding gloves for welding. Gloves must be free of oil and grease.
Eye protection	: Wear safety glasses with side shields or goggles when transfilling or breaking transfer connections. Wear safety glasses with side shields.
Respiratory protection	: When workplace conditions warrant respirator use, follow a respiratory protection program that meets OSHA 29 CFR 1910.134, ANSI Z88.2, or MSHA 30 CFR 72.710 (where applicable). Use an air-supplied or air-purifying cartridge if the action level is exceeded. Ensure that the respirator has the appropriate protection factor for the exposure level. If cartridge type respirators are used, the cartridge must be appropriate for the chemical exposure. For emergencies or instances with unknown exposure levels, use a self-contained breathing apparatus (SCBA).
Thermal hazard protection	: Wear cold insulating gloves when transfilling or breaking transfer connections.
Environmental exposure controls	: Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.
Other information	: Wear safety shoes while handling containers. Consider the use of flame resistant anti-static safety clothing. Wear leather safety gloves and safety shoes when handling cylinders.

SECTION 9: Physical an	id chemical properties	
9.1. Information on basic	physical and chemical properties	
Physical state	: Gas	
Appearance	: Colorless gas.	
Molecular mass	: 42 g/mol	
Color	: Colorless.	
EN (English US)	SDS ID: P-4648	4/10



Safety Data Sheet P-4648

This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Date of issue: 01/01/1983 Revision date: 10/24/2016 Supersedes: 04/08/2015

Dale	011550e. 01/01/1905 Revision date. 10/24/2018 Supersedes. 04/06/2015
Odor	: Stenchant often added. Sweetish.
Odor threshold	: Odor threshold is subjective and inadequate to warn for overexposure.
рН	: Not applicable.
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: Not applicable.
Melting point	: No data available
Freezing point	: -185.25 °C (-301.45°F)
Boiling point	: -47.7 °C (-53.9°F)
Flash point	: -107.8 °C (-162°F)
Critical temperature	: 91.8 °C (197.24°F)
Auto-ignition temperature	: 455 °C (851°F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: 2 - 11.1
Vapor pressure	: 10.2 bar (132.81 psig) @70°F (21.1 °C), 1 ATM
Relative vapor density at 20 °C	: No data available
Relative density	: 0.6
Density	: 0.5139 g/cm³ (at 20 °C)
Relative gas density	: 1.5
Solubility	: Water: 384 mg/l
Log Pow	: 1.77
Log Kow	: Not applicable.
Viscosity, kinematic	: Not applicable.
Viscosity, dynamic	: Not applicable.
Explosive properties	: Not applicable.
Oxidizing properties	: None.
Explosion limits	: No data available
9.2. Other information	
Gas group	: Liquefied gas
Additional information	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level

SECT	ION 10: Stability and reactivity	
10.1.	Reactivity	
		No reactivity hazard other than the effects described in sub-sections below.
10.2.	Chemical stability	
		Stable under normal conditions.
10.3.	Possibility of hazardous reactions	
		Can form explosive mixture with air. May react violently with oxidants.
10.4.	Conditions to avoid	
		Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
10.5.	Incompatible materials	
		Oxidizing agent. Acids. Halogens.
10.6.	Hazardous decomposition products	
		Thermal decomposition or burning may produce carbon monoxide, carbon dioxide, and hydrogen. The welding and cutting process may form reaction products such as carbon monoxide and carbon dioxide. Other decomposition products of normal operation originate from the volatilization, reaction, or oxidation of the material being worked.

SDS ID: P-4648



Date of issue: 01/01/1983

Safety Data Sheet P-4648

Making our planet more productive" This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication.

Revision date: 10/24/2016 Supersedes: 04/08/2015

SECTION 11: Toxicological information	n
11.1. Information on toxicological effects	
Acute toxicity	Not classified
Propylene (\f)115-07-1	
LC50 inhalation rat (mg/l)	658 mg/l/4h
ATE US (vapors)	658.000 mg/l/4h
ATE US (dust, mist)	658.000 mg/l/4h
Skin corrosion/irritation :	Not classified
	pH: Not applicable.
Serious eye damage/irritation :	Not classified
	pH: Not applicable.
Respiratory or skin sensitization :	Not classified
5 ,	Not classified
Carcinogenicity :	Not classified
Propylene (115-07-1)	
IARC group	3 - Not classifiable
Reproductive toxicity :	Not classified
Specific target organ toxicity (single exposure)	Not classified
	Not classified
	Not classified
•	
SECTION 12: Ecological information	
12.1. Toxicity	
	No ecological damage caused by this product.
12.2. Persistence and degradability	
Propylene (115-07-1)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
12.3. Bioaccumulative potential	
Propylene (115-07-1)	
Log Pow	1.77
Log Kow	Not applicable.
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9.
12.4. Mobility in soil	
Propylene (115-07-1)	
Mobility in soil	No data available.
Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.
12.5. Other adverse effects	
	: None
·	No known effects from this product
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste disposal recommendations	 Dispose of contents/container in accordance with local/regional/national/international regulations. Contact supplier for any special requirements.

SDS ID: P-4648



Safety Data Sheet P-4648

Making our planet more productive"

This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Date of issue: 01/01/1983

Revision date: 10/24/2016 Supersedes: 04/08/2015

SECTION 14: Transport information	
SECTION 14: Transport information	
	LINIARZZ Propulane 0.4
Transport document description UN-No.(DOT)	: UN1077 Propylene, 2.1 : UN1077
Proper Shipping Name (DOT)	: Propylene
Class (DOT)	: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
Hazard labels (DOT)	: 2.1 - Flammable gas
DOT Special Provisions (49 CFR 172.102)	 19 - For domestic transportation only, the identification number UN1075 may be used in place of the identification number specified in column (4) of the 172.101 table. The identification number used must be consistent on package markings, shipping papers and emergency response information T50 - When portable tank instruction T50 is referenced in Column (7) of the 172.101 Table, the applicable liquefied compressed gases are authorized to be transported in portable tanks in accordance with the requirements of 173.313 of this subchapter
Additional information	
Emergency Response Guide (ERG) Number	: 115 (UN1075)
Other information	: No supplementary information available.
Special transport precautions	 Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure there is adequate ventilation Ensure that containers are firmly secured Ensure cylinder valve is closed and not leaking Ensure valve outlet cap nut or plug (where provided) is correctly fitted Ensure valve protection device (where provided) is correctly fitted.
Transport by sea	
UN-No. (IMDG)	: 1077
Proper Shipping Name (IMDG)	: PROPYLENE
Class (IMDG)	: 2 - Gases
MFAG-No	: 115
Air transport	
UN-No. (IATA)	: 1077
Proper Shipping Name (IATA)	: Propylene
Class (IATA)	: 2
Civil Aeronautics Law	: Gases under pressure/Gases flammable under pressure
SECTION 15: Regulatory information	
15.1. US Federal regulations	
Propylene (115-07-1)	
Listed on the United States TSCA (Toxic Substa	ances Control Act) inventory
Subject to reporting requirements of United Stat	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard Sudden release of pressure hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	1.0 %
- · · ·	All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory.
EN (English US)	SDS ID: P-4648 7/10



Safety Data Sheet P-4648

tive" This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication.

Date of issue: 01/01/1983 Revision date: 10/24/2016 Supersedes: 04/08/2015

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.PropyleneCAS No 115-07-1100%

15.2. International regulations

CANADA

Propylene (115-07-1)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Propylene (115-07-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.2.2. National regulations

Propylene (115-07-1)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on CICR (Turkish Inventory and Control of Chemicals)

15.3. US State regulations	
Propylene(115-07-1)	
U.S California - Proposition 65 - Carcinogens List	No
U.S California - Proposition 65 - Developmental Toxicity	No
U.S California - Proposition 65 - Reproductive Toxicity - Female	No
U.S California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S Pennsylvania - RTK (Right to Know) List

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm



Safety Data Sheet P-4648

 Ve^{*} This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Date of issue: 01/01/1983 Revision date: 10/24/2016 Supersedes: 04/08/2015

SECTION 16: Other information	
Other information	: When using this product in welding and cutting, read and understand the manufacturer's instructions and the precautionary label on the product. Ask your welding products supplier for a copy of Praxair's free safety booklet, P-2035, Precautions and Safe Practices for Gas Welding, Cutting, and Heating, and for other manufacturers' safety publications. For a detailed treatment, get ANSI Z49.1, Safety in Welding, Cutting, and Allied Processes, published by the American Welding Society (AWS), www.aws.org. Order AWS documents from Global Engineering Documents, global.ihs.com. Arcs and sparks can ignite combustible materials. Prevent fires. Refer to NFPA 51B, Standard for Fire Prevention During Welding, Cutting, and Other Hotwork. Do not strike an arc on the container. The defect produced by an arc burn may lead to container rupture
	Fumes and gases produced during welding and cutting processes can be dangerous to your health and may cause serious lung disease. KEEP YOUR HEAD OUT OF FUMES. DO NOT BREATHE FUMES AND GASES. Use enough ventilation, local exhaust, or both to keep fumes and gases from your breathing zone and the general area. Short-term overexposure to fumes may cause dizziness, nausea, and dryness or irritation of the nose, throat, and eyes; or may cause other similar discomfort. Contaminants in the air may add to the hazard of fumes and gases
	When you mix two or more chemicals, you can create additional, unexpected hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an industrial hygienist or other trained person when you evaluate the end product. Before using any plastics, confirm their compatibility with this product
	Praxair asks users of this product to study this SDS and become aware of the product hazards and safety information. To promote safe use of this product, a user should (1) notify employees, agents, and contractors of the information in this SDS and of any other known product hazards and safety information, (2) furnish this information to each purchaser of the product, and (3) ask each purchaser to notify its employees and customers of the product hazards and safety information
	The opinions expressed herein are those of qualified experts within Praxair, Inc. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and the conditions of use are not within the control of Praxair, Inc, it is the user's obligation to determine the conditions of safe use of the product
	Praxair SDSs are furnished on sale or delivery by Praxair or the independent distributors and suppliers who package and sell our products. To obtain current SDSs for these products, contact your Praxair sales representative, local distributor, or supplier, or download from www.praxair.com. If you have questions regarding Praxair SDSs, would like the document number and date of the latest SDS, or would like the names of the Praxair suppliers in your area, phone or write the Praxair Call Center (Phone: 1-800-PRAXAIR/1-800-772-9247; Address: Praxair Call Center, Praxair, Inc, P.O. Box 44, Tonawanda, NY 14151-0044)
	PRAXAIR and the Flowing Airstream design are trademarks or registered trademarks of Praxair Technology, Inc. in the United States and/or other countries.
NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.
NFPA reactivity	: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

9/10



Safety Data Sheet P-4648

This SDS conforms to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Date of issue: 01/01/1983 Revision date: 10/24/2016 Supersedes: 04/08/2015

HMIS III Rating

Health Flammability Physical

- : 1 Slight Hazard Irritation or minor reversible injury possible
- : 4 Severe Hazard
- : 2 Moderate Hazard

SDS US (GHS HazCom 2012) - Praxair

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.