NSN 6830-01-190-8715 CAGE: 05083 7DSQ0

Hudson Technologies, Inc. SPE4A6-16-D-0226





Safety Data Sheet PTG-4018 according to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Date of issue: 05/25/2015 Version: 1.0

SECTION: 1. Product and company identification		
1.1. Product identifier		
	: Mixture	
Formula	<ul> <li>Non-flammable, Non-oxidizing gas mixture containing one or more of the following components: Oxygen, Helium, Nitrogen, Carbon Dioxide, Argon.</li> </ul>	
1.2. Relevant identified uses of the substa	nce or mixture and uses advised against	
Use of the substance/mixture	Calibration / Reference	
Use of the substance/mixture	Industrial use. Use as directed.	
1.3. Details of the supplier of the safety da	ita sheet	
	BACHARACH, INC. 621 Hunt Valley Circle New Kensington, PA 15068-7074 - USA T Tel: 724-334-5000, Toll Free in U.S.A.: 1-800-736-4666 - F Fax: 724-334-5001	
1.4. Emergency telephone number		
Emergency number	<ul> <li>Onsite Emergencies: 1-800-645-4633</li> <li>CHEMTREC: USA 1-800-424-9300, International 001-703-527-3887 (Collect calls accepted, contract 17729)</li> </ul>	
SECTION 2: Hazards identification		
2.1. Classification of the substance or mix	ture	
Classification (GHS-US)		
Compressed gas H280		
2.2. Label elements		
GHS-US labeling		
Hazard pictograms (GHS-US)		
Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US)	<ul> <li>GHS04</li> <li>WARNING</li> <li>H280 - CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED</li> <li>P410+P403 - Protect from sunlight when ambient temperature exceeds 52°C (125°F). Use and store only outdoors or in a well-ventilated place.</li> <li>P261 - Avoid breathing gas</li> <li>CGA-PG21 - Open valve slowly.</li> <li>CGA-PG12 - Do not open valve until connected to equipment prepared for use.</li> <li>CGA-PG12 - Do not open valve until connected to equipment prepared for use.</li> <li>CGA-PG10 - Use only with equipment rated for cylinder pressure.</li> <li>CGA-PG06 - Close valve after each use and when empty.</li> <li>CGA-PG05 - Use a back flow preventive device in the piping.</li> </ul>	
2.3. Other hazards		
	No additional information available	
2.4. Unknown acute toxicity (GHS-US)		
	No data available	
<b>SECTION 3: Composition/information</b>	on ingredients	
3.1. Substance		
	Not applicable	
EN (English US)	SDS ID: PTG-4018 1/10	



Safety Data Sheet PTG-4018

according to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication.

Date of issue: 05/25/2015 Version: 1.0

Name         Product identifier         %           Hellum         (CA bio) 740-59-7         0.0001 - 99.999           Mrogen         (CA bio) 7427-37-9         0.0001 - 99.999           Cathon divide         (CA bio) 7427-37-9         0.0001 - 99.999           Argon         (CA bio) 7427-37-9         0.0001 - 99.999           Argon         (CA bio) 7424-37-1         0.0001 - 99.999           Coxyopan         (CA bio) 7422-44-7         0.0001 - 0.0001 - 23           SECTION 4: First ald measures         Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, quilfied performed may groupse. Call a pytyscian.         Ibreathing is difficult, quilfied performed may groupse. Call a pytyscian.           First-aid measures after sey contact         : Adverse effects not expected from this product.         Entimediately.           First-aid measures after ingestion         : Ingestion is not considered a potential route of exposure.         42.           Most important symptoms and effects, both acute and delayed None.         None.         SECTION 5: Firofighting media           Stable extinguishing media         : Use extinguishing media appropriate for surrounding fire.         5.3.           S.3.         Advice for firefighting         : No reactivity hazard other than the effects described in sub-sections below.           Stable extinguishing media         : Use extinguis	3.2.	Mixture				
Image       99.999         Carbon dixxide       (CAS No 7227-37-9       9.0001 - 99.999         Carbon dixxide       (CAS No 7227-37-9       9.0001 - 99.999         Carbon dixxide       (CAS No 124-38-9       0.0001 - 99.999         Argan       (CAS No 124-38-9       0.0001 - 99.999         Description of first ald measures       (CAS No 1727-37-9       0.0001 - 23         SECTION 4: First ald measures       (CAS No 1727-37-9       0.0001 - 23         SECTION 4: First ald measures       (CAS No 1727-37-9       0.0001 - 23         SECTION 4: First ald measures       (CAS No 1727-37-9       0.0001 - 23         SECTION 4: First ald measures       (CAS No 1727-37-9       0.0001 - 23         SECTION 4: First ald measures       (CAS No 1727-37-9       0.0001 - 23         Section dix of the section of	Name		Product identifier	%		
Cathon double         (CAS No) 124-38-9         9.939           Argon         (CAS No) 124-38-9         9.9391           Argon         (CAS No) 740-37-1         0.0001 - 98.939           Oxygen         (CAS No) 7782-44-7         0.0001 - 98.939           Description of first aid measures         (CAS No) 7782-44-7         0.0001 - 23           SECTION 4: First aid measures         : Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is inst-aid measures after skin contact         : Adverse effects not expected from this product.           its-aid measures after skin contact         : Immediately flush eyes thoroughly with water for at least 15 minutes. Hold the eyelds open awy from the eyelabla to ensure that all surfaces are flushed thoroughly. Contact an ophthalmologist immediately.           its-aid measures after inspection         : Ingestion is not considered a potential route of exposure.           12.         Most important symptoms and effects. both acute and delayed No additional information available           33.         Indication of any immediate medical attention and special treatment needed lone.           SECTION 5: Firofighting media witable extinguishing media         : Use extinguishing media appropriate for surrounding fire.           34.         Special hazards arising from the substance or nixture         Immediately cool containers with water form maximum distance. Si and protective clothing. Containers with watere form maximum distance. Si and protective clothing. Containere	Helium		(CAS No) 7440-59-7			
Agen         99.999           Organ         (CaS No) 7440-37-1         0.0001 - 23           Corgan         (CaS No) 7782-44-7         0.0001 - 23           SECTION 4: First aid measures         interval of the state inhalation         : Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is interval measures after inhalation         : Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is interval measures after eye contact         : Adverse effects not expected from this product.           Tirst-aid measures after injection         : Immediately flush eyes thoroughly with water for at least 15 minutes. Hold the eyelids open away from the eybcalls to ensure that all surfaces are flushed thoroughly. Contact an ophythalmologist immediately.           Tirst-aid measures after injection         : Ingestion is not considered a potential route of exposure.           12:         Most important symptoms and effects, both acute and delayed         No additional information available           13:         Indication of any immediate medical attention and special treatment needed         Section below.           13:         Indication of any immediate or mixture         Section below.           13:         No reactivity hazard other than the effects described in sub-sections below.           13:         Advice for finelighters         : Evacuate all personnel from the danger area. Use self-contained breathing apparatus (SCI and probleactive cohing and equipment (Self Contained Breathing	Nitroger	1	(CAS No) 7727-37-9			
Organ         Use No         99.999           UCAN NO         7782.44-7         0.0001 - 23           SECTION 4: First aid measures         Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may give oxygen. Call a physician.         If the set of the set o	Carbon	dioxide	(CAS No) 124-38-9			
Section 4: First aid measures  Section 5: Firefighting measures  Section 6: Firefighting  Section 6:	Argon		(CAS No) 7440-37-1			
Al.       Description of first aid measures         Tirst-aid measures after inhalation       : Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may give oxygen. Call a physician.         Tirst-aid measures after skin contact       : Adverse effects not expected from this product.         Tirst-aid measures after eye contact       : Immediately fush eyes throughly with water for at least 15 minutes. Hold the eyelids open away from the eyelals to ensure that all surfaces are flushed thoroughly. Contact an ophthalmologist immediately.         Tirst-aid measures after ingestion       : Ingestion is not considered a potential route of exposure.         12.       Most important symptoms and effects, both acute and delayed No additional information available         13.       Indication of any immediate medical attention and special treatment needed         None.       Extinguishing media         14.       Special hazards arising from the substance or mixture         Reactivity       : No reactivity hazard other than the effects described in sub-sections below.         13.       Advice for firefighters         15.       Evacuate all personnel from the danger area. Use self-contained breathing apparatus (SCI and protective clothing. Immediately cool containers with water from maximum distance. Si a fast to do so. While continuing cooling water spray. Remove ignition sources are she to do so. Remove containers from area of fire if aste to do so. Or miter for firefighters         Standard protective e	Oxygen		(CAS No) 7782-44-7	0.0001 - 23		
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SECTION 6: Accidental release measures         6.1. Personal precautions, protective equipment and emergency procedures         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         Prevent waste from contaminating the surrounding environment. Prevent soil and water por Dispose of contents/container in accordance with local/regional/national/international regula Contact supplier for any special requirements.         6.3. Methods and material for containment and cleaning up         No additional information available	Firefighti	•	and protective clothing. Immediately cool of flow of gas if safe to do so, while continuing safe to do so. Remove containers from area comply with OSHA 29 CFR 1910.156 and a	ontainers with wat cooling water spra of fire if safe to d	er from maximum distance. Sto ay. Remove ignition sources if o so. On-site fire brigades mus	st
<ul> <li>5.1. Personal precautions, protective equipment and emergency procedures</li> <li>5.1.1. For non-emergency personnel         <ul> <li>No additional information available</li> <li>5.1.2. For emergency responders</li></ul></li></ul>	Special p	protective equipment for fire fighters :		(Self Contained E	reathing Apparatus) for fire	
<ul> <li>For non-emergency personnel         <ul> <li>No additional information available</li> <li>For emergency responders</li></ul></li></ul>	SECTI	ON 6: Accidental release measu	res			
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	6.3.	Methods and material for containment	and cleaning up			
EN (English US) SDS ID: PTG-4018			No additional information available			
	EN (Ena	lish US)	SDS ID: PTG-4018			2/*
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**PTG-4018** Safety Data Sheet PTG-4018

according to U.S. Code of Federal Regulations 29 CFR 1910.1200, Hazard Communication. Version: 1.0

Date of issue: 05/25/2015

#### 6.4. **Reference to other sections**

See also sections 8 and 13.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling	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.	
7.2. Conditions for safe storage, including	any incompatibilities	
Storage conditions	<ul> <li>Store in a cool, well-ventilated place. Store and use with adequate ventilation. Store only where temperature will not exceed 125°F (52°C). Firmly secure containers upright to keep them from falling or being knocked over. Install valve protection cap, if provided, firmly in place by hand. Store full and empty containers separately. Use a first-in, first-out inventory system to prevent storing full containers for long periods.</li> <li>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</li> </ul>	
	where it may become part of an electrical circuit.	

None.

### SECTION 8: Exposure controls/personal protection

|--|

Oxygen (7782-44-7)				
ACGIH	Not established	Not established		
USA OSHA	Not established			
Helium (7440-59-7)	l			
ACGIH	Not established			
USA OSHA	Not established			
Nitrogen (7727-37-9)				
ACGIH	Not established	Not established		
USA OSHA	Not established	Not established		
Carbon dioxide (124-3	38-9)			
ACGIH	ACGIH TLV-TWA (ppm)	5000 ppm		
ACGIH	ACGIH TLV-STEL (ppm)	30000 ppm		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	9000 mg/m³		
USA OSHA	OSHA PEL (TWA) (ppm)	OSHA PEL (TWA) (ppm) 5000 ppm		
Argon (7440-37-1)				
ACGIH	H Not established			

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Argon (7440-37-1)		
USA OSHA	Not established	
.2. Exposure controls		
ppropriate engineering controls	; :	Provide adequate general and local exhaust ventilation. Ensure exposure is below occupational exposure limits (where available).
Personal protective equipment	:	Gloves. Safety glasses.
ye protection	:	Wear safety glasses when handling cylinders; vapor-proof goggles and a face shield during cylinder changeout or whenever contact with product is possible. Select eye protection in accordance with OSHA 29 CFR 1910.133.
kin and body protection	:	Wear metatarsal shoes for container handling. Wear metatarsal shoes and work gloves for cylinder handling, and protective clothing where needed. Wear appropriate chemical gloves during cylinder changeout or wherever contact with product is possible. Select per OSHA 29 CFR 1910.132, 1910.136, and 1910.138.
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 (e.g., an organic vapor cartridge). For emergencies or instances with unknown exposure levels, use a self-contained breathing apparatus (SCBA). Self contained breathing apparatus (SCBA) or positive pressure airline with mask are to be used in oxygen-deficient atmospheres.
hermal hazard protection	:	Wear cold insulating gloves when transfilling or breaking transfer connections. Standard EN 511 - Cold insulating gloves.

#### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and		
Physical state	: Gas	
Color	: Colorless	
Odor	: No data available	
Odor threshold	: No data available	
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	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapor pressure	: Not applicable.	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Solubility	: Water: No data available	
Log Pow	: Not applicable.	
Log Kow	: Not applicable.	
Viscosity, kinematic	: Not applicable.	
Viscosity, dynamic	: Not applicable.	

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Explosive p	properties	: Not applicable.
Oxidizing p	properties	: None.
Explosion li	imits	: No data available
9.2. C	Other information	
		No additional information available
SECTIO	N 10: Stability and reactivity	
10.1. R	Reactivity	
		No reactivity hazard other than the effects described in sub-sections below.
10.2. C	Chemical stability	
		Stable under normal conditions.
10.3. P	Possibility of hazardous reactions	
		None.
10.4. C	Conditions to avoid	
		None.
10.5. lı	ncompatible materials	
		None.
10.6. H	lazardous decomposition products	\$
		None.
SECTIO	N 11: Toxicological informat	lion
11.1. li	nformation on toxicological effects	
Acute toxic	ity	: Not classified
Skin corrosio	on/irritation	: Not classified
		pH: Not applicable.
Serious eve	damage/irritation	: Not classified
,	0	pH: Not applicable.
Respiratory	or skin sensitization	: Not classified
Germ cell m	utagenicity	: Not classified
Carcinogenie	city	: Not classified
Reproductiv	ve toxicity	: Not classified
Specific tar	rget organ toxicity (single exposure)	: Not classified
Specific tar exposure)	rget organ toxicity (repeated	: Not classified
Aspiration I	hazard	: Not classified
	N 12: Ecological informatior	
	Foxicity	
Ecology - g	general	: No known ecological damage caused by this product.
12.2. P	Persistence and degradability	
PTG-4018	8	
Persisten	ce and degradability	No ecological damage caused by this product.
Oxygen (	(7782-44-7)	
Persisten	ce and degradability	No ecological damage caused by this product.
	7440-59-7)	
Persisten	ce and degradability	No ecological damage caused by this product.
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Nitrogen (7727-37-9)	
Persistence and degradability	No ecological damage caused by this product.
Carbon dioxide (124-38-9)	
Persistence and degradability	No ecological damage caused by this product.
Argon (7440-37-1)	
Persistence and degradability	No ecological damage caused by this product.
2.3. Bioaccumulative potential	
-	
PTG-4018	Net-enellechie
Log Pow Log Kow	Not applicable.           Not applicable.
Bioaccumulative potential	No ecological damage caused by this product.
•	
Oxygen (7782-44-7)	Net-mellachia
Log Pow	Not applicable.           Not applicable.
Log Kow Bioaccumulative potential	No ecological damage caused by this product.
•	אס בטוטאונמו עמווזמצב נמשבע שי גוווג אוטעענו.
Helium (7440-59-7)	Not applicable for inorgania gasos
Log Pow	Not applicable for inorganic gases.
Log Kow Bioaccumulative potential	Not applicable.           No ecological damage caused by this product.
•	אס כטוטעוכמו ממווזמצב כמטפט שי נוווס אוטטענג.
Nitrogen (7727-37-9)	Nationaliashia
Log Pow Log Kow	Not applicable.           Not applicable.
Bioaccumulative potential	No ecological damage caused by this product.
•	
Carbon dioxide (124-38-9) BCF fish 1	(no bioconsulation)
Log Pow	(no bioaccumulation) 0.83
Log Kow	Not applicable.
Bioaccumulative potential	No ecological damage caused by this product.
•	
Argon (7440-37-1) Log Pow	Not applicable.
Log Kow	Not applicable.
Bioaccumulative potential	No ecological damage caused by this product.
12.4. Mobility in soil	
-	
PTG-4018	No data available.
Mobility in soil	ויט עמום מימוומטוש.
Oxygen (7782-44-7)	
Mobility in soil	No data available.
Ecology - soil	No ecological damage caused by this product.
Helium (7440-59-7)	New Jobs and Table
Mobility in soil	No data available.
Ecology - soil	No ecological damage caused by this product.
Nitrogen (7727-37-9)	
Mobility in soil	No data available.
Ecology - soil	No ecological damage caused by this product.
Carbon dioxide (124-38-9)	
Mobility in soil	No data available.
Ecology - soil	No ecological damage caused by this product.

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Argon (7440-37-1)		
Mobility in soil No data available.		
Ecology - soil		No ecological damage caused by this product.
12.5.	Other adverse effects	
Effect on ozone layer :		: None.

<b>SECTION 13: Disposal consideratio</b>	ns
13.1. Waste treatment methods	
Waste disposal recommendations	: Do not attempt to dispose of residual or unused quantities. Return container to supplier.
<b>SECTION 14: Transport information</b>	
In accordance with DOT	
Transport document description	: UN1956 Compressed gas, n.o.s., 2.2
UN-No.(DOT)	: UN1956
Proper Shipping Name (DOT)	: Compressed gas, n.o.s.
Transport hazard class(es) (DOT)	: 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115
Hazard labels (DOT)	: 2.2 - Non-flammable gas
DOT Symbols	: G - Identifies proper shipping name (PSN) requiring the addition of technical name(s) in parentheses following the PSN.
Additional information	
Emergency Response Guide (ERG) Number	: 126
Other information	: No supplementary information available.
Special transport precautions	<ul> <li>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:</li> <li>Ensure there is adequate ventilation.</li> <li>Ensure that containers are firmly secured.</li> <li>Ensure cylinder valve is closed and not leaking.</li> <li>Ensure valve outlet cap nut or plug (where provided) is correctly fitted.</li> </ul>
Transport by sea	
UN-No. (IMDG)	: 1956
Proper Shipping Name (IMDG)	: COMPRESSED GAS, N.O.S.
Class (IMDG)	: 2.2 - Non-flammable, non-toxic gases
Limited quantities (IMDG)	: 120ml
EmS-No. (1)	: F-C
MFAG-No	: 620
EmS-No. (2)	: S-V
Air transport	
UN-No.(IATA)	: 1956
Proper Shipping Name (IATA)	: COMPRESSED GAS, N.O.S.
Class (IATA)	: 2
Instruction "cargo" (ICAO)	: 200
Instruction "passenger" (ICAO)	: 200
Instruction "passenger" - Limited quantities (ICAO)	: FORBIDDEN

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 SECTION 15: Regulatory information

 15.1. US Federal regulations

 No additional information available

 15.2. International regulations

 CANADA

 Oxygen (7782-44-7)

 Listed on the Canadian DSL (Domestic Substances List)

 Helium (7440-59-7)

 Listed on the Canadian DSL (Domestic Substances List)

 Nitrogen (7727-37-9)

 Listed on the Canadian DSL (Domestic Substances List)

 Carbon dioxide (124-38-9)

Listed on the Canadian DSL (Domestic Substances List)

#### Argon (7440-37-1)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

#### 15.2.2. National regulations

No additional information available

#### 15.3. US State regulations

PTG-4018()	
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

Oxygen (7782-44-7)						
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
No	No	No	No			
Helium (7440-59-7)						
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
No	No	No	No			



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Nitrogen (7727-37-9)						
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
No	No	No	No			
Carbon dioxide (124-38-9)						
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
No	No	No	No			
Argon (7440-37-1)						
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)		
No	No	No	No			
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 Helium (7440-59-7)						
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						
Nitrogen (7727-37-9)						
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						
Carbon dioxide (124-38-9)						
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						
Argon (7440-37-1)						
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						



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SECTION 16: Other information		
Other information	: 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.	
	Bacharach SDS – 0099-0027	

**Bacharach Part Numbers:** 

0051-4051 0051-4049 0051-4050

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.