



**MATHESON**

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# Safety Data Sheet

Material Name AIR, COMPRESSED

SDS ID: MAT00480

**\*\*\*Section 1 - IDENTIFICATION\*\*\***

**Product Identifier:** AIR, COMPRESSED

**Trade Names/Synonyms**

MTG MSDS 2; AIR; UN 1002

**Chemical Family**

gas

**Recommended Use**

industrial

**Restrictions on Use**

None known.

**Manufacturer Information**

MATHESON TRI-GAS, INC.  
150 Allen Road, Suite 302  
Basking Ridge, NJ 07920

General Information: 1-800-416-2505  
Emergency #: 1-800-424-9300 (CHEMTREC)  
Outside the US: 703-527-3887 (Call collect)

**\*\*\*Section 2 - HAZARDS IDENTIFICATION\*\*\***

**Classification in accordance with 29 CFR 1910.1200**

Gas under pressure, Compressed gas

**GHS LABEL ELEMENTS**

**Symbol(s)**



**Signal Word**

WARNING

**Hazard Statement(s)**

Contains gas under pressure; may explode if heated

**Precautionary Statement(s)**

**Prevention**

None needed according to classification criteria.

**Response**

None needed according to classification criteria.

**Storage**

Protect from sunlight. Store in a well-ventilated place.

**\*\*\*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\*\*\***

CAS	Component	Percent
132259-10-0	COMPRESSED AIR, BREATHING AIR	100

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## \*\*\*Section 4 - FIRST AID MEASURES\*\*\*

### Description of Necessary Measures

#### Inhalation

If adverse effects occur, remove to uncontaminated area. Get medical attention.

#### Skin

Wash exposed skin with soap and water.

#### Eyes

Flush eyes with plenty of water for at least 15 minutes. Get medical attention, if needed.

#### Ingestion

If swallowed, get medical attention.

### Most Important Symptoms/Effects

#### Acute

No information on significant adverse effects.

#### Delayed

No information on significant adverse effects.

### Indication of Immediate Medical Attention and Special Treatment

Treat symptomatically and supportively.

## \*\*\*Section 5 - FIRE FIGHTING MEASURES\*\*\*

### Suitable Extinguishing Media

Use extinguishing agents appropriate for surrounding fire.

### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Chemical

Negligible fire hazard. Containers may rupture or explode if exposed to heat.

### Hazardous Combustion Products

**Combustion:** None known.

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

### Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

## \*\*\*Section 6 - ACCIDENTAL RELEASE MEASURES\*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Not considered to be an environmental hazard.

### Methods and Materials for Containment and Cleaning Up

Stop leak if possible without personal risk. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas. Damaged cylinders should be handled only by specialists.

## \*\*\*Section 7 - HANDLING AND STORAGE\*\*\*

### Precautions for Safe Handling

Wash thoroughly after handling.

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## Conditions for Safe Storage, including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Store in a well-ventilated area. Store below 52 C. Protect from physical damage. Store in a cool, dry place. Cylinders should be stored upright (with valve protection cap in place). Subject to storage regulations: U.S. OSHA 29 CFR 1910.101. Keep separated from incompatible substances.

**Incompatibilities** None known.

## \* \* \*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\* \* \*

### Component Exposure Limits

ACGIH, EU, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

### Component Biological Limit Values

There are no biological limit values for any of this product's components.

### Appropriate Engineering Controls

Based on available information, additional ventilation is not required.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eyes/Face Protection

Eye protection not required, but recommended.

#### Skin Protection

Protective clothing is not required under normal conditions.

#### Glove Recommendations

Protective gloves are not required, but recommended.

#### Protective Materials

cloth

#### Respiratory Protection

Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

Respiratory protection is ranked in order from minimum to maximum.

Consider warning properties before use.

#### **For Unknown Concentrations or Immediately Dangerous to Life or Health -**

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

## \* \* \*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\* \* \*

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**Physical State:** Gas  
**Color:** colorless  
**Odor:** odorless  
**Taste:** tasteless  
**Melting/Freezing Point:** -216.2 °C  
**Flash Point:** not flammable  
**Evaporation Rate:** Not available  
**LEL:** Not available  
**Vapor Pressure:** 760 mmHg @ -194 °C  
**Density:** 1.29 g/L @ 0 °C  
**Water Solubility:** slightly soluble  
**Auto Ignition:** Not available  
**Volatility:** 100 %

**Appearance:** colorless, gas  
**Physical Form:** gas  
**Odor Threshold:** Not available  
**pH:** Not available  
**Boiling Point:** -194.3 °C  
**Decomposition:** Not available  
**OSHA Flammability Class:** Not available  
**UEL:** Not available  
**Vapor Density (air = 1):** 1  
**Specific Gravity (water=1):** 1  
**Log KOW:** Not available  
**Viscosity:** 0.01853 cP @26.85 °C  
**Molecular Weight:** 28.975

## Other Property Information

No additional information is available.

## \*\*\*Section 10 - STABILITY AND REACTIVITY\*\*\*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

Protect from physical damage and heat. Containers may rupture or explode if exposed to heat.

### Incompatible Materials

None known.

### Hazardous Decomposition

**Combustion:** None known.

## \*\*\*Section 11 - TOXICOLOGICAL INFORMATION\*\*\*

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

#### RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

### Information on Likely Routes of Exposure

#### Inhalation

No information available.

#### Ingestion

ingestion of a gas is unlikely

#### Skin Contact

No information available.

#### Eye Contact

No information available.

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## Immediate Effects

No information on significant adverse effects.

## Delayed Effects

No information on significant adverse effects.

## Medical Conditions Aggravated by Exposure

No data available.

## Irritation/Corrosivity Data

No data available.

## RTECS Irritation

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

## Respiratory Sensitization

No data available.

## Dermal Sensitization

No data available.

## Carcinogenicity

### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, OSHA or DFG.

## Mutagenic Data

No data available.

## Reproductive Effects Data

No data available.

## Specific Target Organ Toxicity - Single Exposure

No data available.

## Specific Target Organ Toxicity - Repeated Exposure

No data available.

## Aspiration Hazard

Not applicable.

## \*\*\*Section 12 - ECOLOGICAL INFORMATION\*\*\*

### Component Analysis - Aquatic Toxicity

No LOEL ecotoxicity data are available for this product's components.

### Persistence and Degradability

No data available.

### Bioaccumulative Potential

No data available.

### Mobility

No data available.

## \*\*\*Section 13 - DISPOSAL CONSIDERATIONS\*\*\*

### Disposal Methods

Dispose in accordance with all applicable regulations.

### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

## \*\*\*Section 14 - TRANSPORT INFORMATION\*\*\*

### US DOT Information

Shipping Name: Air, compressed

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UN/NA #: UN1002 Hazard Class: 2.2

Required Label(s): 2.2

## IMDG Information

Shipping Name: Air, compressed

UN #: UN1002 Hazard Class: 2.2

Required Label(s): 2.2

## \* \* \*Section 15 - REGULATORY INFORMATION\* \* \*

### Component Analysis

#### U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

#### SARA 311/312 Hazardous Categories

Acute Health: No Chronic Health: No Fire: No Pressure: Yes Reactive: No

#### U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

#### Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
COMPRESSED AIR, BREATHING AIR	132259-10-0	No	No	No	No	No	No	No	Yes	Yes

## \* \* \*Section 16 - OTHER INFORMATION\* \* \*

NFPA Ratings: Health: 0 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

New SDS: 1/25/2012

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## Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

## Other Information

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