

**SAFETY DATA SHEETS**

132259-10-0/E-1

DATE: 21May2015

SUPPLIER ADDRESS: 1290 COMBERMERE STREET

TROY, MI 48083

EMERGENCY PHONE NUMBER: (248) 589-2950

1. CHEMICAL PRODUCT

PRODUCT NAME: Air

SYNONYMS: None

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Name	Formula	CAS#	Concentration	Exposure Limits (PPM)			
				ACGIH	OSHA	Other	TLV PEL MAC STEL
Oxygen	O2	7782-44-7	19.5%-23.5%	NE	NE	NE	NE
Nitrogen	N2	7727-37-9	Balance	S/A	S/A	S/A	S/A

Note: NE = NONE ESTABLISHED
S/A = SIMPLE ASPHYXIAN

3. HAZARD IDENTIFICATION

*** EMERGENCY OVERVIEW ***
High pressure gas.
May accelerate combustion.

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: Inhalation

ACUTE EFFECTS: None

CHRONIC EFFECTS: None

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: None

OTHER EFFECTS OF OVEREXPOSURE: None

CARCINOGENICITY (US Only):

NTP - No

IARC MONOGRAPHS - No

OSHA REGULATED - No

4. FIRST AID MEASURES

INHALATION: None

EYE CONTACT: None

SKIN CONTACT: None

INGESTION: None

IN EVENT OF EXPOSURE, CONSULT A PHYSICIAN

NOTE TO PHYSICIAN: None

5. FIRE FIGHTING MEASURES

FLASH POINT: Nonflammable

AUTOIGNITION TEMPERATURE: N/Av

FLAMMABLE LIMITS: Nonflammable

LOWER:

UPPER:

EXTINGUISHING MEDIA: Use what is appropriate for surrounding fire.

SPECIAL FIRE FIGHTING INSTRUCTION AND EQUIPMENT: Wear self-contained breathing apparatus and full protective clothing.

Keep fire exposed cylinders cool with water spray. If possible, stop the product flow.

HAZARDOUS COMBUSTION PRODUCTS: None

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Escaping gas mixture containing 19-24% oxygen (air) vigorously supports and may accelerate combustion of surrounding materials. Cylinder rupture may occur under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

CLEAN UP PROCEDURES: Shut off source if possible and remove source of heat.

SPECIALIZED EQUIPMENT: None

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Secure cylinder when using to protect from falling. Use suitable hand truck to move cylinders.

PRECAUTIONS TO BE TAKEN IN STORAGE:

Store in well ventilated areas away from combustibles. Keep valve protection cap on cylinders when not in use.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS: None
PERSONAL PROTECTION
EYE/FACE PROTECTION: Safety glasses
SKIN PROTECTION: None
RESPIRATORY PROTECTION: None
OTHER PROTECTIVE EQUIPMENT: Safety shoes
when handling cylinders.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless
ODOR: Odorless
PHYSICAL STATE: Gas
VAPOR PRESSURE: @20 C: Gas
VAPOR DENSITY (AIR=1): 1.00
BOILING POINT (C): N/Ap
SOLUBILITY IN WATER: @20 C:18.68 cm3/l
SPECIFIC GRAVITY (H2O=1): Gas
EVAPORATION RATE: Gas
ODOR THRESHOLD: None

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal storage conditions.
CONDITIONS TO AVOID: Storage in poorly
ventilated areas. Storage near a heat
source.
MATERIALS TO AVOID: Flammable and
combustible materials, especially
greases and oils.
HAZARDOUS POLYMERIZATION: Will not
occur.
HAZARDOUS DECOMPOSITION: None

11. TOXICOLOGICAL INFORMATION

LETHAL CONCENTRATION (LC50): None established
LETHAL DOSE 50 (LD50): N/Ap
TERATOGENICITY: N/Ap
REPRODUCTIVE EFFECTS: N/Ap
MUTAGENICITY: N/Ap

12. ECOLOGICAL INFORMATION

No adverse ecological effects are expected.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of non-refillable cylinders in accordance with
federal, state and local regulations. Allow gas to vent slowly to atmosphere in
an unconfined area or exhaust hood. If the cylinders are the refillable type,
return cylinders to supplier with any valve outlet plugs or caps secured and
valve protection caps in place.

14. TRANSPORT INFORMATION

CONCENTRATION: 19.5%-23.5%
DOT DESCRIPTION (US ONLY):
PROPER SHIPPING NAME: Air, Compressed
HAZARD CLASS: 2.2 (nonflammable)
IDENTIFICATION NUMBER: UN1002
REPORTABLE QUANTITIES: None
LABELING: NONFLAMMABLE GAS
ADR/RID (EU Only): Class 2, 1a
SPECIAL PRECAUTIONS: Cylinders should be
transported in a secure upright position
in a well ventilated truck.

15. REGULATORY INFORMATION

OSHA: Process Safety Management: Material is not listed in appendix A of 29 CFR
1910.119 as highly hazardous chemical.
TSCA: Material is listed in TSCA
inventory.
SARA: The threshold planning quantity
for material is 10,000 lbs.
EU NUMBER: N/Av
NUMBER IN ANNEX 1 OF DIR 67/548: Not
listed in annex 1.
EU CLASSIFICATION: N/Av
R: None
S: None

16. OTHER INFORMATION

OTHER PRECAUTIONS: Protect containers from physical damage. Do not deface

cylinders or labels. Cylinders should be refilled by qualified producers of compressed gas. Shipment of a compressed gas cylinder which has not been filled by the owner or with his written consent is a violation of federal law (49 CFR).

ABBREVIATIONS:

N/Ap - Not Applicable

N/Av - Not Available

SA - Simple Asphyxiant

NE - None Established

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