

SCOTT SPECIALTY GASES**MATERIAL SAFETY DATA SHEETS**

DATE: 10/02/97

SUPPLIER ADDRESS: 1290 COMBERMERE STREET

TROY, MI 48083

EMERGENCY PHONE: (248) 589-2950
NUMBER**1. CHEMICAL PRODUCT**

PRODUCT NAME: Air

SYNONYMS: None

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient Name	Formula	CAS#	Concentration	Exposure Limits (PPM)			
				ACGIH TLV	OSHA PEL	MAC	Other 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

BY OVEREXPOSURE: None

: None

MEDICAL CONDITIONS AGGRAVATED

OTHER EFFECTS OF OVEREXPOSURE

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 mixtures containing 19-24%
oxygen (air) vigorously supports
combustion of surrounding materials and
may accelerate it. 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/Av

SOLUBILITY IN WATER: @20 C: 18.68 cm³/lSPECIFIC 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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