

MATERIAL SAFETY DATA SHEET MG1004

000000397

MG INDUSTRIES
3 GREAT VALLEY PARKWAY
MALVERN, PENNSYLVANIA 19355

EMERGENCY
CHEMREC
1-800-424-9300

SUBSTANCE IDENTIFICATION

SUBSTANCE: AIR, COMPRESSED

TRADE NAMES/SYNONYMS:
AIR; UN 1002; MG100480

CHEMICAL FAMILY:
MIXTURE, GASEOUS

CERCLA RATINGS (SCALE 0-3): HEALTH=U FIRE=O REACTIVITY=O PERSISTENCE=O
NFPA RATINGS (SCALE 0-4): HEALTH=U FIRE=O REACTIVITY=O

COMPONENTS AND CONTAMINANTS

COMPONENT: AIR, COMPRESSED PERCENT: 100.0

OTHER CONTAMINANTS: NONE

EXPOSURE LIMITS:
NO OCCUPATIONAL EXPOSURE LIMITS ESTABLISHED BY OSHA, ACGIH, OR NIOSH.

PHYSICAL DATA

DESCRIPTION: BLUISH, MOBILE LIQUID OR COLORLESS GAS.

BOILING POINT: -318 F (-194 C) SPECIFIC GRAVITY: 1.29 G/L @ 0 C

VAPOR PRESSURE: 760 MMHG @ -194 C SOLUBILITY IN WATER: SLIGHTLY SOLUBLE

VAPOR DENSITY: 1.0

VISCOSITY: 0.01853 CPS @ 26.85 C

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD:
NEGLECTIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

FIREFIGHTING MEDIA:
DRY CHEMICAL OR CARBON DIOXIDE
(1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5).

FOR LARGER FIRES, USE WATER SPRAY, FOG OR REGULAR FOAM
(1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5).

MG100480 PAGE 02 OF 05

FIREFIGHTING:
MOVE CONTAINER FROM FIRE IF YOU CAN DO IT WITHOUT RISK. APPLY COOLING WATER
TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER THE FIRE
OUT. STAY AWAY FROM HANDS OF TANKS. WITHDRAW IMMEDIATELY IN CASE OF BLENDING
OUT. FROM VENTING OR SAFETY DEVICE OR ANY DISCOPATION OF TANK DUE TO BLENDING.
DO NOT USE WATER OR SALVAGE. MAY BE SPILLED. MAY EVAPORATE LEAVING A FLAMMABLE
TRAIL. IF INVOLVED IN FIRE (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5,
GUIDE PAGE 12).

USE AGENT SUITABLE FOR TYPE OF FIRE. COOL CONTAINERS WITH FLOODING AMOUNTS OF
WATER. APPLY FROM AS FAR A DISTANCE AS POSSIBLE.

TRANSPORTATION DATA

DEPARTMENT OF TRANSPORTATION HAZARD CLASSIFICATION 49-CFR 172.101:
NONFLAMMABLE GAS

DEPARTMENT OF TRANSPORTATION LABELING REQUIREMENTS 49-CFR 172.101 AND
SUBPART E:
NONFLAMMABLE GAS

DEPARTMENT OF TRANSPORTATION PACKAGING REQUIREMENTS: 49-CFR 173.302
EXCEPTIONS: 49-CFR 173.306

FINAL RULE ON HAZARDOUS MATERIALS REGULATIONS (HMR, 49 CFR PARTS 171-180),
DOCKET NUMBER HM-181A, HM-181B, HM-181C, HM-181D AND HM-204
EFFECTIVE DATE: OCTOBER 1, 1993. HOWEVER, COMPLIANCE WITH THE REGULATIONS IS
AUTHORIZED ON AND AFTER JANUARY 1, 1991. (55 FR 52402, 12/21/90)

EXCEPT FOR EXPLOSIVES, INHALATION HAZARDS, AND INFECTIOUS SUBSTANCES, THE
EFFECTIVE DATE FOR HAZARD COMMUNICATION REQUIREMENTS IS EXTENDED TO
OCTOBER 1, 1993. (56 FR 47158, 09/18/91)

U.S. DEPARTMENT OF TRANSPORTATION SHIPPING NAME-ID NUMBER, 49 CFR 172.101:
AIR; COMPRESSED-UN 1002

U.S. DEPARTMENT OF TRANSPORTATION HAZARD CLASS OR DIVISION, 49 CFR 172.101:
2.2 - NON-FLAMMABLE COMPRESSED GAS

U.S. DEPARTMENT OF TRANSPORTATION LABELING REQUIREMENTS, 49 CFR 172.101
AND SUBPART E:
NONFLAMMABLE GAS

U.S. DEPARTMENT OF TRANSPORTATION PACKAGING AUTHORIZATIONS:

EXCEPTIONS: 49 CFR 173.306
NON-BULK PACKAGING: 49 CFR 173.302

BULK PACKAGING: 49 CFR 173.302

U.S. DEPARTMENT OF TRANSPORTATION QUANTITY LIMITATIONS 49 CFR 172.101:
PASSENGER AIRCRAFT OR CARGO AIRCRAFT: 75 KG

CARGO AIRCRAFT ONLY: 150 KG

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