



Product Information (203) 740-3471 / Emergency Assistance CHEMTREC 1-800-424-9300

MATERIAL SAFETY DATA SHEETS

PRODUCT NAME:

CYCLOHEXANOL

MSDS #: BA526201

COMPANY NAME AND ADDRESS

Manufacturer: PHARMCO-AAPER
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CHEMTREC 1-800-424-9300

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT INFORMATION

CYCLOHEXANOL

PRODUCT ID: NCI 526201

COMMON CHEMICAL NAME:

CYCLOHEXANOL

SYNONYMS: Adronal; Cyclohexyl alcohol; Hexalin; Hexahydrophenol; Hydroxycyclohexane.

MOLECULAR FORMULA:

C(6)H(12)O

CHEMICAL FAMILY: ALCOHOL

MOLECULAR WT.: 100.2

SECTION 2 – INGREDIENTS

CHEMICAL NAME: CAS AMOUNT

CYCLOHEXANOL 108-93-0 99.5 %

ACGIH TLV TWA 50 PPM

OSHA PEL TWA 50 PPM

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SECTION 3 – PHYSICAL PROPERTIES

COLOR: NOT AVAILABLE
FORM/APPEARANCE: VISCOUS LIQUID
ODOR: CAMPHOR
ODOR INTENSITY: FAINT
TYPICAL LOW/HIGH U.O.M.
SPECIFIC GRAVITY: 0.962 @ 20 D
PH: NOT AVAILABLE
TYPICAL LOW/HIGH DEG. @ PRESSURE
BOILING PT: 161 C 760 MM HG
FREEZING PT: 25 C 760 MM HG
DECOMP. TMP: NOT AVAILABLE
TYPICAL LOW/HIGH U.O.M. @ TEMPERATURE
SOLUBILITY: 3.6 G/100 G WA 20 C
VAPOR PRESSURE: 1 MM HG X 20 DEG. C
VAPOR DENSITY (AIR = 1): 3.5
EVAPORATION RATE STD.: AIR
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SECTION 4 – FIRE AND EXPLOSION DATA

TYPICAL LOW/HIGH DEG. METHOD
FLASH POINT: 67.8 C TAG CLOSED CUP
AUTOIGNITION: 300 C NOT SPECIFIED
EXTINGUISHING MEDIA:
USE WATER FOG, FOAM, CO2 OR DRY CHEMICAL EXTINGUISHING MEDIA.
FIRE FIGHTING PROCEDURES:
FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND TURN OUT GEAR. WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO KEEP EXPOSED CONTAINERS COOL.
UNUSUAL HAZARDS:
THERE ARE NO KNOWN UNUSUAL FIRE OR EXPLOSION HAZARDS.

SECTION 5 – HEALTH EFFECTS

ROUTES OF ENTRY FOR SOLIDS AND LIQUIDS INCLUDE EYE AND SKIN CONTACT, INGESTION AND INHALATION. ROUTES OF ENTRY FOR GASES INCLUDE INHALATION AND EYE CONTACT. SKIN CONTACT MAY BE A ROUTE OF ENTRY FOR LIQUIFIED GASES.
ACUTE OVEREXPOSURE EFFECTS:
CYCLOHEXANOL IS IRRITATING TO THE EYES, SKIN AND MUCOUS MEMBRANES. CONTACT WITH THE EYES CAN RESULT IN SEVERE IRRITATION. CONTACT WITH THE SKIN MAY RESULT IN MILD IRRITATION. REPEATED OR PROLONGED SKIN CONTACT CAN CAUSE DEFATTING AND DERMATITIS. CYCLOHEXANOL IS SKIN ABSORBED.
CONTACT WITH THE EYES MAY RESULT IN IRRITATION. PROLONGED SKIN CONTACT RESULTS IN IRRITATION.
CHRONIC OVEREXPOSURE EFFECTS:
IN HUMANS, INHALATION MAY RESULT IN HEADACHE AND RESPIRATORY IRRITATION. BASED ON ANIMAL STUDIES, OVEREXPOSURE TO CYCLOHEXANOL BY INGESTION, INHALATION OR ABSORPTION CAN CAUSE CNS DEPRESSION, LACRIMATION, NAUSEA, TREMORS OR CONVULSIONS. REPEATED OVEREXPOSURES

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IN ANIMALS ALSO CAUSED TISSUE DAMAGE TO THE LIVER, KIDNEY AND HEART.

FIRST AID PROCEDURES – SKIN:

WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE AND LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION.

FIRST AID PROCEDURES – EYES:

IMMEDIATELY RINSE EYES WITH RUNNING WATER FOR 15 MINUTES. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION.

FIRST AID PROCEDURES – INGESTION:

IF SWALLOWED, DILUTE WITH WATER AND IMMEDIATELY INDUCE VOMITING. NEVER GIVE FLUIDS OR INDUCE VOMITING IF THE VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. GET IMMEDIATE MEDICAL ATTENTION.

FIRST AID PROCEDURES – INHALATION:

MOVE TO FRESH AIR. AID IN BREATHING, IF NECESSARY, AND GET IMMEDIATE MEDICAL ATTENTION.

FIRST AID PROCEDURES – NOTES TO PHYSICIANS:

NONE KNOWN.

FIRST AID PROCEDURES – AGGRAVATED MEDICAL CONDITIONS:

NO DATA IS AVAILABLE WHICH ADDRESSES MEDICAL CONDITIONS THAT ARE GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE TO THIS PRODUCT. CYCLOHEXANOL

SECTION 5 – HEALTH EFFECTS (CONT)

PLEASE REFER TO THE TOXICOLOGICAL INFORMATION SECTION FOR EFFECTS OBSERVED IN ANIMALS.

FIRST AID PROCEDURES – SPECIAL PRECAUTIONS:

NONE

SECTION 6 – REACTIVITY DATA

STABILITY DATA:

STABLE

INCOMPATIBILITY:

OXIDIZING AGENTS, ALKALI METALS.

CONDITIONS/HAZARDS TO AVOID:

AVOID EXCESSIVE HEAT AND IGNITION SOURCES.

HAZARDOUS DECOMPOSITION/POLYMERIZATION:

HAZARDOUS DECOMPOSITION PRODUCTS: CO AND CO₂.

CORROSIVE PROPERTIES:

NOT CORROSIVE.

OXIDIZER PROPERTIES:

NOT AN OXIDIZER

OTHER REACTIVITY DATA:

NONE KNOWN.

SECTION 7 – PERSONAL PROTECTION

CLOTHING:

GLOVES, COVERALLS, APRON, AND BOOTS AS NECESSARY TO PREVENT CONTACT.

EYES:

CHEMICAL GOGGLES; ALSO WEAR A FACE SHIELD IF SPLASHING HAZARD EXISTS.

RESPIRATION:

IF VAPORS OR MISTS ARE GENERATED, WEAR A NIOSH/MSHA APPROVED ORGANIC VAPOR/MIST RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR AS APPROPRIATE.

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VENTILATION:

USE LOCAL EXHAUST TO CONTROL TO RECOMMENDED P.E.L.

EXPLOSION PROOFING:

NONE REQUIRED.

OTHER PERSONAL PROTECTION DATA:

EYEWASH FOUNTAINS AND SAFETY SHOWERS MUST BE EASILY ACCESSIBLE.

SECTION 8 – SPILL–LEAK/ENVIRONMENTAL

SPILLS SHOULD BE CONTAINED, SOLIDIFIED AND PLACED IN SUITABLE CONTAINERS FOR DISPOSAL IN A LICENSED FACILITY. THIS MATERIAL IS NOT REGULATED BY RCRA OR CERCLA ("SUPERFUND"). WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AND PROVIDE ADEQUATE VENTILATION DURING CLEAN–UP.

WASTE DISPOSAL:

INCINERATE OR BURY IN A LICENSED FACILITY. DO NOT DISCHARGE INTO WATERWAYS OR SEWER SYSTEMS WITHOUT PROPER AUTHORITY.

CONTAINER DISPOSAL:

DISPOSE OF IN A LICENSED FACILITY. RECOMMEND CRUSHING OR OTHER MEANS TO PREVENT UNAUTHORIZED REUSE.

CYCLOHEXANOL

SECTION 9 – STORAGE AND HANDLING

GENERAL:

STORE MATERIALS TO AVOID SOURCES OF IGNITION AND EXCESSIVE HEAT.

SECTION 10 – REGULATORY INFORMATION

TSCA INVENTORY STATUS

LISTED ON INVENTORY: YES

SARA – 313 LISTED CHEMICALS:

CAS: 108–93–0 AMOUNT: 99.5 %

NAME: CYCLOHEXANOL

RCRA HAZ. WASTE NO.:

HAZARD RATINGS:

HEALTH: FIRE: REACTIVITY: SPECIAL:

HMS 2 2 0 NA

THIS PRODUCT IS HAZARDOUS OR CONTAINS COMPONENTS WHICH ARE HAZARDOUS ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD.

SECTION 11 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:

REFER TO BASF BILL OF LADING

DOT TECHNICAL NAME:

REFER TO BASF BILL OF LADING

DOT PRIMARY HAZARD CLASS:

REFER TO BASF BILL OF LADING

DOT SECONDARY HAZARD CLASS:

REFER TO BASF BILL OF LADING

DOT LABEL REQUIRED:

REFER TO BASF BILL OF LADING

DOT PLACARD REQUIRED:

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REFER TO BASF BILL OF LADING
DOT POISON CONSTITUENT:
REFER TO BASF BILL OF LADING
BASF COMMODITY CODES: NA NA UN/NA CODE: NONE E/R GUIDE:
BILL OF LADING DESCRIPTION:
FOR THE MOST UP-TO-DATE D.O.T. SHIPPING DESCRIPTION, PLEASE REFER TO
THE BASF BILL OF LADING!
"IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION
CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE

Section 12

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: **NONE**

Section 13

The information contained herein is based on data considered to be accurate based on the material as packaged. However, no warranty is expressed regarding the accuracy of these data or the results to be obtained from the use thereof. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It is the user's obligation to determine the conditions of safe use of the product. While this MSDS is based on technical data judged to be reliable, PHARMCO-AAPER assumes not responsibility for the completeness or accuracy of the information contained herein.

DOT INFORMATION

DOT Classification: DOT Not a DOT controlled material (United States).

UN: Not applicable.

Special Provisions for Transport: Not applicable.
