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Common Name: PNEUMATIC LUBRICATING OIL SAE10 AD220

Manufacturer: GAST

SDS Revision Date: 9/3/2004

SDS Format: No Format Specified

Grainger Item Number(s): 3HDP8

Manufacturer Model Number(s):

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GAST

A UNIT OF IDEX CORPORATION

PRODUCT NAME: PNEUMATIC LUBRICATING OIL SAE10 AD220 (0009)

MANUFACTURER: GAST MANUFACTURING INC

REVISION DATE: 09/03/2004

PNEUMATIC LUBRICATING OIL SAE10, AD220

GAST MANUFACTURING INC

MATERIAL SAFETY DATA SHEET

NSN: 91500F02226

NIIN: 00F022268

MANUFACTURER'S CAGE: 24123

PART NO. INDICATOR: B

PART NUMBER/TRADE NAME: PNEUMATIC LUBRICATING OIL SAE10, AD220

SECTION 1 - GENERAL INFORMATION

COMPANY'S NAME: GAST MANUFACTURING INC

COMPANY'S STREET: 2300 HIGHWAY M-139

COMPANY'S P.O. BOX: 97

COMPANY'S CITY: BENTON HARBOR

COMPANY'S STATE: MI

COMPANY'S COUNTRY: US

COMPANY'S ZIP CODE: 49023-0097

COMPANY'S EMERG PH #: 708-458-8500/269-926-6171

COMPANY'S INFO PH #: 269-926-6171/708-458-8500

SAFETY FOCAL POINT: F

RECORD NO. FOR SAFETY ENTRY: 002

TOT SAFETY ENTRIES THIS STK#: 002

STATUS: FE

DATE MSDS PREPARED: 21 JAN 99

SAFETY DATA REVIEW DATE: 1 MARCH 02

PREPARERS COMPANY: GAST MANUFACTURING INC

PREPARERS ST OR P.O. BOX: 2300 HIGHWAY M-139

PREPARERS CITY: BENTON HARBOR

PREPARERS STATE: MI

PREPARERS ZIP CODE: 49023-0097

MSDS SERIAL NUMBER: 9

SECTION 2 - INGREDIENTS / IDENTITY INFORMATION

PROPRIETARY: NO

INGREDIENT: REFINED PETROLEUM OIL

INGREDIENT SEQUENCE NUMBER: 01

PERCENT: 89

NIOSH (RTECS) NUMBER: PY8038500

CAS NUMBER: 64742-65-0

OTHER RECOMMENDED LIMIT: 5 MG/CUM

PROPRIETARY: NO

INGREDIENT: PROPRIETARY ADDITIVES

INGREDIENT SEQUENCE NUMBER: 02

PERCENT: 11

NIOSH (RTECS) NUMBER: 1003263PA

SECTION 3 - PHYSICAL / CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR: LIGHT BROWN LIQUID W/MILD PETROLEUM ODOR

BOILING POINT: >400F

MELTING POINT: N/I

SPECIFIC GRAVITY: 0.87 - 0.89

EVAPORATION RATE AND REF (BU AC = 1): N/I

SOLUBILITY IN WATER: NEGLIGIBLE

VAPOR PRESSURE: 0.1 MMHg AT 70F

VISCOSITY @ 100C (CST): 5.6 - 7.8

VAPOR DENSITY: NOT DETERMINED

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 405F

FLASH POINT METHOD: COC D92

EXTINGUISHING MEDIA:

DRY CHEMICAL AND CARBON DIOXIDE. FOAM AND WATER FOG ARE EFFECTIVE, BUT MAY CAUSE FROTHING.

SPECIAL FIRE FIGHTING PROC:

OSHA/NFPA CLASS-IIIB COMBUSTIBLE LIQUID. FOR FIRES INVOLVING THIS MATERIAL, DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. THIS MAY INCLUDE SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF COMBUSTION PRODUCTS AND OXYGEN DEFICIENCIES. IF FIRE FIGHTERS CANNOT WORK UPWIND TO THE FIRE, RESPIRATORY PROTECTIVE EQUIPMENT MUST BE WORN. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

HAZARDOUS COMBUSTION PRODUCTS:

BURNING OR EXCESSIVE HEATING MAY PRODUCE CARBON MONOXIDE AND OTHER HARMFUL GASES/VAPORS INCLUDING OXIDES AND/OR OTHER COMPOUNDS OF CALCIUM, ZINC, SULFUR, PHOSPHOROUS, SODIUM, AND NITROGEN.

SECTION 5 - REACTIVITY DATA

STABILITY: YES

COND TO AVOID (STABILITY): AVOID EXTREME HEAT AND OPEN FLAME.

MATERIALS TO AVOID:

STRONG ACIDS, ALKALIS AND OXIDIZERS SUCH AS LIQUID CHLORINE AND OXYGEN.

HAZARDOUS DECOMP PRODUCTS:

CARBON MONOXIDE AND OTHER HARMFUL GASES/VAPORS INCLUDING OXIDES AND/OR

OTHER COMPOUNDS OF CALCIUM, ZINC, SULFUR, PHOSPHOROUS, SODIUM AND NITROGEN.

HAZARDOUS POLY OCCUR: NO

SECTION 6 - HEALTH HAZARD DATA

EMERGENCY OVERVIEW:

MAY CAUSE MILD SKIN IRRITATION AND INFLAMMATION FOLLOWING EXTENDED CONTACT!
AVOID SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING. USED OIL MAY BE HARMFUL
TO SKIN!

LABORATORY STUDIES SPONSORED BY THE AMERICAN PETROLEUM INSTITUTE SHOW THAT
MICE DEVELOP SKIN CANCER FOLLOWING REPEATED APPLICATION AND CONTINUOUS
EXPOSURE TO A USED MOTOR OIL COMPOSITE. AVOID SKIN CONTACT WITH USED MOTOR
OILS. WHEN CONTACT OCCURS, WASH PROMPTLY TO REMOVE. GET MEDICAL ATTENTION
FOR ANY PERSISTENT SKIN PROBLEMS.

POTENTIAL HEALTH EFFECTS:

EYE: NO IRRITATION OR MILD IRRITATION MAY OCCUR FROM SHORT-TERM EXPOSURE.

SKIN:

MILD SKIN IRRITATION MAY OCCUR UPON SHORT-TERM EXPOSURE, LONG TERM EXPOSURE
MAY CAUSE REDNESS EDEMA, DRYING AND CRACKING OF SKIN.

INHALATION:

NO SIGNIFICANT ADVERSE HEALTH EFFECTS ARE EXPECTED TO OCCUR UNDER NORMAL
CONDITIONS OF USE. HOWEVER, EXPOSURE TO PETROLEUM MIST AT HIGH LEVELS MAY
BE IRRITATING TO THE NOSE, THROAT AND LUNGS.

INGESTION:

HARMFUL IF ASPIRATED INTO LUNGS (THE LD IN RATS IS >500 MG/KG FOR THE
ADDITIVES.

TERATOLOGY (BIRTH DEFECT) INFORMATION: NONE KNOWN.

REPRODUCTION INFORMATION: NONE KNOWN.

*IT MAY CONTAIN THE FOLLOWING CHEMICALS, WHICH MAY CAUSE CANCER AND/OR
BIRTH DEFECTS.

BENZENE LESS THAN 0.0004 PPM
ARSENIC LESS THAN 0.0175 PPM
CADMIUM LESS THAN 0.0202 PPM
LEAD LESS THAN 0.0259 PPM

TOXICOLOGICAL INFORMATION:

EYE EFFECTS: MILD IRRITATION MAY OCCUR UPON SHORT-TERM EXPOSURE.

SKIN EFFECTS: MILD IRRITATION MAY OCCUR UPON SHORT-TERM EXPOSURE.

ACUTE ORAL EFFECTS:

NO SIGNIFICANT ADVERSE HEALTH EFFECTS ARE EXPECTED TO OCCUR UPON SHORT-TERM
EXPOSURE.

ACUTE INHALATION EFFECTS:

NO SIGNIFICANT ADVERSE HEALTH EFFECTS ARE EXPECTED TO OCCUR UNDER NORMAL

CONDITIONS OF USE. HOWEVER, EXPOSURE TO PETROLEUM MIST AT HIGH LEVELS MAY BE IRRITATING TO THE NOSE, THROAT AND LUNGS.

CHRONIC EFFECTS/CARCINOGENICITY:

LABORATORY STUDIES SPONSORED BY THE AMERICAN PETROLEUM INSTITUTE SHOW THAT MICE DEVELOP SKIN CANCER FOLLOWING REPEATED APPLICATION AND CONTINUOUS EXPOSURE TO A USED MOTOR OIL COMPOSITE. AVOID CONTACT WITH USED MOTOR OILS. PERSONNEL WITH PREEXISTING SKIN DISORDERS SHOULD AVOID CONTACT WITH THIS PRODUCT.

MUTAGENICITY: NO DATA.

FIRST AID PROCEDURES:

EYES:

FLUSH EYES WITH CLEAN, LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE EYELIDS. IF PAIN OR REDNESS PERSISTS AFTER FLUSHING, OBTAIN MEDICAL ATTENTION.

SKIN:

REMOVE BY WIPING; THEN WASH SKIN THOROUGHLY WITH PLENTY OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND THOROUGHLY CLEAN BEFORE REUSE. DISCARD CONTAMINATED LEATHER GLOVES AND SHOES.

INGESTION:

IF MORE THAN A HALF-CUP FULL OF THIS MATERIAL IS SWALLOWED, GIVE QUANTITIES OF WATER, DO NOT INDUCE VOMITING, AND OBTAIN MEDICAL ATTENTION.

INHALATION:

VAPORIZATION IS NOT EXPECTED AT AMBIENT TEMPERATURES AND THIS MATERIAL IS NOT EXPECTED TO BE AN INHALATION PROBLEM UNDER ANTICIPATED CONDITIONS OF USE. IN CASE OF OVEREXPOSURE, MOVE PERSON TO FRESH AIR.

NOTE TO PHYSICIANS:

SUPPORTIVE CARE. TREATMENT BASED ON JUDGMENT OF THE PHYSICIAN RESPONSE TO REACTIONS OF THE PATIENT. MAY AGGRAVATE PRE-EXISTING RESPIRATORY CONDITIONS.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

ACCIDENTAL RELEASE MEASURES:

SMALL SPILL:

ABSORB SPILL WITH AN INERT MATERIAL (E.G., DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER.

LARGE SPILL:

CONTAIN SPILL AND PREVENT IT FROM ENTERING ALL WATER BODIES, IF POSSIBLE. SAFELY STOP FLOW OF SPILL. EVACUATE NON-ESSENTIAL PERSONNEL FROM IMMEDIATE SPILL AREA DUE TO SLIPPING HAZARDS. IN URBAN AREA, CLEANUP AS SOON AS POSSIBLE; IN NATURAL ENVIRONMENTS, CLEANUP ON ADVICE FROM ECOLOGISTS. THIS MATERIAL WILL FLOAT ON WATER. ABSORBENT MATERIALS AND PADS CAN BE USED. COMPLY WITH ALL APPLICABLE LAWS. SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER (800-424-8802).

DISPOSAL CONSIDERATIONS:

MAXIMIZE PRODUCT RECOVERY FOR REUSE OR RECYCLING. CONDITIONS OF USE MAY CAUSE THIS MATERIAL TO BECOME A "HAZARDOUS WASTE", AS DEFINED BY STATE OF

FEDERAL LAWS. USE APPROVED TREATMENT, TRANSPORTERS AND DISPOSAL SITES IN COMPLIANCE WITH ALL APPLICABLE LAWS. IF SPILL IS INTRODUCED INTO A WASTE-WATER TREATMENT SYSTEM, CHEMICAL AND BIOLOGICAL OXYGEN DEMAND WILL LIKELY INCREASE. SPILL MATERIAL IS BIODEGRADABLE IF GRADUALLY EXPOSED TO MICROORGANISMS. POTENTIAL TREATMENT AND DISPOSAL METHODS INCLUDE LAND FARMING, INCINERATION AND LAND DISPOSAL, IF PERMITTED.

HANDLING AND STORAGE:

HANDLING:

KEEP AWAY FROM HEAT, SPARKS AND FLAME. USE OF OIL IMPERVIOUS GLOVES RECOMMENDED.

STORAGE:

TO AVOID PRODUCT FROM DEGRADATION, WATER CONTAMINATION SHOULD BE AVOIDED AND MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURES (GT 200F) SHOULD BE MINIMIZED. PRODUCT DEGRADATION MIGHT INCREASE HEALTH HAZARD RISKS.

STORAGE TEMPERATURE: AMBIENT.

STORAGE PRESSURE: ATMOSPHERIC.

EXPOSURE CONTROLS, PERSONAL PROTECTION:

ENGINEERING CONTROLS:

USE ADEQUATE VENTILATION TO KEEP OIL MISTS OF THIS MATERIAL BELOW APPLICABLE GUIDELINE(S) STANDARD(S).

RESPIRATORY PROTECTION:

NONE IS NEEDED UNDER ANTICIPATED USE CONDITIONS WITH ADEQUATE VENTILATION. IF EXPOSURE EXCEEDS THE OCCUPATIONAL EXPOSURE LIMITS, FOLLOW OSHA STANDARDS OR EQUIVALENT AND WEAR PROPER NIOSH/MSHA-APPROVED RESPIRATORY EQUIPMENT.

SKIN PROTECTION:

AVOID PROLONGED AND/OR REPEATED SKIN CONTACT, OR WEAR IMPERVIOUS PROTECTIVE CLOTHING. WHEN LEAVING WORK, WASH HANDS/EXPOSED SKIN WITH SOAP AND WATER.

EYE PROTECTION:

WEAR EYE PROTECTION. IN THE LIKELIHOOD OF SPLASHING OR SPRAYING, AND ESPECIALLY IF MATERIAL IS HOT (GT 125F), WEAR GOGGLES AND/OR FACE SHIELD. EYE WASH WATER SHOULD BE AVAILABLE. HARD CONTACT LENSES MUST NOT BE WORN.

ECONOMICAL INFORMATION:

ECOTOXICOLOGICAL INFORMATION:

THE SPILLED MATERIAL AND ANY SOIL OR WATER WHICH IT HAS CONTAMINATED MAY BE HAZARDOUS TO ANIMAL/AQUATIC LIFE.

TRANSPORTATION INFORMATION:

DOT HAZARDOUS MATERIALS PROPER SHIPPING NAME:
NOT A DOT "HAZARDOUS MATERIAL".

REGULATORY INFORMATION:

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III:

SECTION 313: FROM 0.5 TO 0.99% ZINC COMPOUND CONTAINS 0.1% AS ZINC.

SECTION 311/312 HAZARD CATEGORIES: IMMEDIATE (ACUTE) AND DELAYED (CHRONIC).

HEALTH HAZARDS:

THIS PRODUCT DOES NOT CONTAIN GREATER THAN 1.0% OF ANY CHEMICAL ON THE SARA EXTREMELY HAZARDOUS LIST.

TOXIC SUBSTANCES CONTROL ACT (TSCA):

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. SECTION 4A BENZENE. 1,2,4 TRIMETHYL. ISO BUTYL ALCOHOL, ISOPROPYL ALCOHOL, AND PHENOL MAY BE SUBJECT TO EXPORT NOTIFICATION UNDER SECTION 12B.

CERCLA:

NO CHEMICALS IN THIS PRODUCT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF CERCLA.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65:

BASED ON INFORMATION CURRENTLY AVAILABLE, THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY CHEMICALS CURRENTLY LISTED AS CARCINOGENS OR REPRODUCTIVE TOXINS UNDER CALIFORNIA PROPOSITION 65 AT LEVELS WHICH WOULD BE SUBJECT TO THE PROPOSITION, BENZENE LESS THAN 0.0004 PPM, ARSENIC LESS THAN 0.0175 PPM, CADMIUM LESS THAN 0.0202 PPM, LEAD LESS THAN 0.0259 PPM IF THIS PRODUCT IS REFORMULATED OR FURTHER PROCESSED, FURTHER EVALUATION SHOULD BE DONE BASED UPON SUCH REFORMULATION OR PROCESSING, AS WELL AS UPON ITS FINAL COMPOSITION AND USE.

SECTION 11 - LABEL DATA

COMMON NAME: PNEUMATIC LUBRICATING OIL SAE10, AD220

CHRONIC HAZARD: N/P

SPECIAL HAZARD PRECAUTIONS:

LABEL NAME: GAST MANUFACTURING INC

LABEL STREET: 2300 HIGHWAY M-139

LABEL P.O. BOX: 97

LABEL CITY: BENTON HARBOR

LABEL STATE: MI

LABEL ZIP CODE: 49023-0097

LABEL COUNTRY: US

LABEL EMERGENCY NUMBER: 708-458-8500/269-926-6171

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