MATERIAL SAFETY DATA SHEET

Effective Date: 11-15-99 Revision Date: none

NAPA Brake Fluid - DOT 3 35-012, 35-032, 35-101, 35-155

Code: PAN

Part Number(s): 35-012, 35-032, 35-101, 35-105, 35-155

Section 1 - Product and Company Identification

PRODUCT NAME: NAPA Brake Fluid - DOT 3 35-012, 35-032, 35-101, 35-155

MANUFACTURER'S NAME:
Pandora Manufacturing, Inc.
501 South Basinger Rd.
Pandora, OH 45877

EMERGENCY TELEPHONE NUMBER
(419)384-3241

MISCELLANEOUS INFORMATION

Section 2 - Hazardous Ingredients

COMPONENT NAME/ CAS NUMBER	HAZARDOUS IN BLEND	PERCENTAGE MIN	PERCENTAGE MAX	EXPOSURE LIMIT	UNITS
GLYCOL ETHER MIXTURE	YES	50	80	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
LUBRICITY ADDITIVE MIXTURE	NO	10	35	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
OXIDATION INHIBITOR MIXTURE	NO	< 10		OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT
CORROSION INHIBITOR MIXTURE	NO	< 1		OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT

THIS DOCUMENT IS PREPARED PURSUANT TO THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

Section 3 - Hazards Indentification

EYES : AVOID EYE CONTACT. MAY CAUSE MODERATE EYE IRRITATION.

SKIN CONTACT :AVOID SKIN CONTACT. MINIMALLY IRRITATING TO THE SKIN UPON DIRECT CONTACT.
PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION. MAY BE ABSORBED THROUGH THE SKIN. CONTACT WITH EXTREMELY HOT MATERIAL OR DAMAGED SKIN MAY RESULT IN ABSORPTION OF POTENTIALLY HARMFUL OR LETHAL AMOUNTS.

INHALATION : AVOID PROLONGED INHALATION OF VAPORS. NOT A PROBABLE INHALATION HAZARD AT ROOM TEMPERATURE DUE TO ITS LOW VAPOR PRESSURE. OVEREXPOSURE MAY LEAD TO DROWSINESS, NUMBNESS AND HEADACHE FOLLOWED BY DIZZINESS AND NAUSEA.
EYES :AVOID EYE CONTACT. MAY CAUSE MODERATE EYE IRRITATION.

HEALTH DATA : PROLONGED AND REPEATED EXPOSURE TO LARGE QUANITIES MAY CAUSE SKIN IRRITATION AND DROWINESS. INGESTION OF LARGE, SINGLE DOSES OF CHEMICALS SIMILAR TO THOSE IN THIS PRODUCT, CAN BE HARMFUL, EVEN FATAL THERE IS NO RELEVANT INFORMATION AVAILABLE ON THE MAJOR COMPONENTS. THE MINOR COMPONENTS WHEN TESTED SEPERATELY (USUALLY BY INGESTION) CAUSED KIDNEY, LIVER, GASTROINTESTINAL, TESTICULAR AND CENTRAL NERVOUS SYSTEM EFFECTS, BLADDER STONES, NAUSEA AND VOMITING. NOT CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION STANDARD.

INGESTION : DO NOT INGEST. INGESTION OF LARGE QUANTITIES MAY BE FATAL.

Section 4 - First Aid Measures

EYES : FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES OR UNTIL IRRITATION SUBSIDES. CONSULT PHYSICIAN IF IRRITATION OR PAIN PERSISTS.

SKIN : REMOVE CONTAMINATED CLOTHING AND FLUSH WITH WATER AND MILD SOAP. IF REDNESS OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION : IF BREATHING BECOMES DIFFICULT, REMOVE TO FRESH AIR IMMEDIATELY. SEEK MEDICAL ATTENTION.

INGESTION : DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.

Section 5 - Firefighting Measures

FLASH POINT : 280 F
FLAMMABLE LIMITS IN AIR BY % VOL. : NO DATA
METHOD USED : PMCC
AUTO IGNITION TEMP. : NO DATA

EXTINGUISHING MEDIA : WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES : WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS FROTHING MAY OCCUR, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.
DO NOT USE DIRECT WATER STREAM AS IT MAY SPREAD THE FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS : DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON DIOXIDE AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.

Section 6 - Environmental Release Measures

SPILLS OR RELEASES : NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY ETC.

LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

Section 7 - Handling and Storage

HANDLING PROCEDURES : STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, FLAME OR OXIDIZING MATERIALS. DO NOT TRANSFER TO UNMARKED CONTAINERS. USE IN WELL VENTILATED AREAS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE AS PER NFPA 30 AND OSHA 1910.106-FLAMMABLE AND COMBUSTIBLE LIQUIDS

Section 8 - Exposure Controls/Personal Protection

VENTILATION : ADEQUATE VENTILATION MUST BE PROVIDED TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE OR FLAMMABLE LIMITS IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED.

RESPIRATION PROTECTION: RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE.IF VAPOR OR MIST IS GENERATED WHEN MATERIAL IS HEATED OR HANDLED, USE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER.S

SKIN PROTECTION: NONE REQUIRED IN NORMAL USE. FOR PROLONGED OR REPEATED CONTACT, USE IMPERVIOUS CLOTHING (GLOVES, APRONS ETC.) TO COVER EXPOSED BODY PARTS.

EYE PROTECTION : NOT REQUIRED UNDER NORMAL USE. USE SPLASH-PROOF SAFETY GLASSES OR PLASTIC FACE SHIELDS IF SPLASHING MAY OCCUR.

OTHER : CONSUMPTION OF FOOD AND BEVERAGE SHOULD BE AVOIDED IN WORK AREAS□WHERE HYDROCARBONS ARE PRESENT. ALWAYS WASH HANDS AND FACE WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING.

Section 9 - Physical and Chemical Properties

APPEARANCE : PALE YELLOW LIQUID

ODOR : NO ODOR

MOLECULAR WEIGHT : NO DATA

SPECIFIC GRAVITY (H2O = 1) : 1.03

SOLUBILITY IN H2O : SOLUBLE

BOILING POINT : 430 F (221 C)

VAPOR PRESSURE : < 1.

FREEZING POINT : NO DATA

VOLATILES BY VOLUME : NEGLIGIBLE %

EVAPORATION RATE : NEGLIGIBLE

VAPOR DENSITY (AIR = 1) : NO DATA

pH : NO DATA

POUR POINT: NO DATA

Section 10 - Stability and Reactivity

STABILITY : STABLE

CONDITIONS TO AVOID : ELEVATED TEMPERATURES MAY DECOMPOSE ACTIVE INGREDIENT

INCOMPATIBILITIES : MAY REACT WITH STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION : NONE

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR.

Section 11 - Toxicological Information

No Information

Section 12 - Ecological Information

No Information

Section 13 - Disposal Considerations

WASTE DISPOSAL : DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Section 14 - Transport Information

No Information

Section 15 - Regulatory Information

THIS PRODUCT CONTAINS THE FOLLOWING SARA TITLE III, SECTION 313 REPORTABLE CHEMICALS AT OR GREATER THAN 1.0% (0.1% FOR CARCINOGENS).

GLYCOL ETHERS CAS # : PROPRIETARY < 100%

ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY.

Section 16 - Other Information

NOTE : THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE AND AVAILABLE TO US. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING ACCURACY OF THE DATA OR RESULTS TO BE OBTAINED FROM THE USE THEREOF. IT IS USER'S OBLIGATION TO DETERMINE CONDITIONS OF SAFE USE OF THE PRODUCT AND WE ASSUME NO RESPONSIBILITY FOR ITS USE.

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********** End of MSDS **********