



Safety Data Sheet

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SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT: PLUSCO# 741, GRADES 32, 46 & 68
PREMIUM ANTI-WEAR HYDRAULIC OIL

CHEMICAL NAME: NOT APPLICABLE

CHEMICAL FAMILY: BASE OIL CONTAINING ADDITIVES

FORMULA: MIXTURE

CAS NUMBER: NOT APPLICABLE

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATING CODES

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0

LEAST:	0
LIGHT:	1
MODERATE:	2
HIGH:	3
EXTREME:	4

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SECTION 2 - HAZARDOUS COMPONENTS

INGREDIENT:

Component	CAS Number	TLV/PEL (mg/m3)	Weight %
Lubricant Base Oil	Various	5 (As Oil Mist)	> 90
Additives	Proprietary	NE	< 10

SECTION 3 – HAZARDS IDENTIFICATION

INHALATION:

NOT APPLICABLE

EYE CONTACT:

POSSIBLE IRRITATION WITH REPEATED OR PROLONG CONTACT

SKIN CONTACT:

IF INJECTED UNDER THE SKIN WITH HIGH PRESSURE GREASE GUN
NECROSIS COULD RESULT

INGESTION:

POSSIBLE IRRITATION, NAUSEA, OR DIARRHEA

REPORTED AS POTENTIAL CARCINOGEN:

☒ NOT APPLICABLE ☐ INTERNATIONAL AGENCY
☐ NATIONAL TOXICOLOGY PROGRAM ☐ OSHA

SECTION 4 - FIRST AID PROCEDURES

INHALATION:

IF OVEREXPOSED TO OIL MIST, REMOVE FROM EXPOSURE. IF
BREATHING IS IRREGULAR OR HAS STOPPED PERFORM CPR, CONSULT
A PHYSICIAN

EYE CONTACT:

IMMEDIATELY FLUSH WITH LOTS OF RUNNING WATER FOR MINIMUM OF
15 MINUTES. GET MEDICAL ATTENTION IF REDNESS DEVELOPS

SKIN CONTACT:

WASH THOROUGHLY WITH SOAP AND WATER PRIOR TO EATING OR SMOKING. IF GREASE IS INJECTED UNDER SKIN, GET MEDICAL ATTENTION

INGESTION:

DO NOT INDUCE VOMITING. SEEK MEDICAL ADVICE

SECTION 5 - FIRE, PROTECTION INFORMATION

FLASH POINT AND METHOD:

> 350°F DEGREE FAHRENHEIT (ASTM D-92)

AUTO IGNITION TEMP.:

NOT APPLICABLE

FLAMMABLE LIMITS (%) VOLUME IN AIR:

NOT APPLICABLE

EXTINGUISHING MEDIA:

CARBON DIOXIDE, DRY CHEMICAL OR FOAM

HAZARDOUS DECOMPOSITION PRODUCTS:

INCOMPLETE COMBUSTION CAN YIELD CARBON MONOXIDE AND VARIOUS OXIDES

FIRE AND EXPLOSION HAZARD:

FOR FIRE FIGHTING USE SELF CONTAINED BREATHING APPARATUS WITH POSITIVE PRESSURE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

STABILITY: STABLE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURE: CONTAIN ANY SPILLS WITH ABSORBENTS TO PREVENT MIGRATIONS AND ENTRY INTO SEWERS OR STREAMS. TAKE UP SMALL SPILLS WITH DRY CHEMICAL ABSORBENT. LARGE SPILLS MAY BE TAKEN UP WITH PUMP OR VACUUM AND FINISHED OFF WITH DRY CHEMICAL ABSORBENT; MAY REQUIRE EXCAVATION OF CONTAMINATED SOIL.

SPILL MANAGEMENT:

LAND SPILL: CONTAIN ANY SPILLS WITH ABSORBENTS TO PREVENT MIGRATIONS AND ENTRY INTO SEWERS OR STREAMS. TAKE UP SMALL SPILLS WITH DRY CHEMICAL ABSORBENT. LARGE SPILLS MAY BE TAKEN UP WITH PUMP OR VACUUM AND FINISHED OFF WITH DRY CHEMICAL ABSORBENT; MAY REQUIRE EXCAVATION OF CONTAMINATED SOIL.

WATER SPILL: CONFINE THE SPILL IMMEDIATELY WITH BOOMS. STOP LEAK, IF YOU CAN DO SO WITHOUT RISKING PERSONAL SAFETY. REPORT SPILLS AS REQUIRED APPROPRIATING AUTHORITIES. REMOVE FROM THE SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENTS.

ENVIRONMENTAL PRECAUTIONS:

LARGE SPILLS SHOULD BE DIKED FOR LATER RECOVERY OR DISPOSAL. SPILLS MAY BE TAKEN UP WITH PUMP OR VACUUM AND FINISHED OFF WITH DRY CHEMICAL ABSORBENT; MAY ALSO REQUIRE EXCAVATION OF CONTAMINATED SOIL. TO THE BEST OF PLUSCO, INC'S KNOWLEDGE, THIS PRODUCT IS NOT REGULATED BY CERCLA/RCRA AS A HAZARDOUS WASTE OR MATERIAL. HOWEVER, THIS PRODUCT HAS NOT BEEN TESTED FOR THE TOXICITY CHARACTERISTIC VIA THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE. THEREFORE, IT MAY BE DISPOSED OF AS AN INDUSTRIAL WASTE IN A MANNER ACCEPTABLE TO GOOD WASTE MANAGEMENT PRACTICE AND IN COMPLIANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 7 – HANDLING AND STORAGE

HANDLING:

AVOID CONTACT WITH SKIN. PREVENT SPILLS AND LEAKS TO AVOID SLIPPING HAZARDS.

STORAGE:

KEEP CONTAINERS SEALED UNTIL READY FOR USE. AVOID EXCESSIVE LONG-TERM STORAGE TEMPERATURES TO PROLONG SHELF LIFE. MAXIMUM STORAGE TEMPERATURE: 120°F – STORE IN WELL VENTILATED AREAS.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS/STANDARDS FOR MATERIALS THAT CAN BE FORMED WHEN HANDLING THIS PRODUCT:

IF MISTS OCCUR, THE FOLLOWING ARE RECOMMENDED: ACGIH – TWA: 5 mg/m³, STEL: 10 mg/m³, OSHA – TWA: 5 mg/m³

ENGINEERING CONTROL:

THE LEVEL OF PROTECTION AND TYPES OF CONTROL NECESSARY WILL VARY DEPENDING UPON POTENTIAL EXPOSURE CONDITIONS. UNDER NORMAL CONDITIONS, NO SPECIAL CONTROL REQUIRED WHEN USED IN A WELL-VENTILATED AREA WITH LOCAL EXHAUST VENTILATION.

PERSONAL PROTECTION:

PERSONAL PROTECTIVE EQUIPMENT SELECTIONS VARY BASED ON POTENTIAL EXPOSURE CONDITIONS SUCH AS APPLICATIONS, HANDLING PRACTICES, CONCENTRATION AND VENTILATION. INFORMATION ON THE SELECTION OF PROTECTIVE EQUIPMENT FOR USE WITH THIS MATERIAL, AS PROVIDED BELOW, IS BASED UPON INTENDED, NORMAL USAGE.

RESPIRATORY PROTECTION:

NONE REQUIRED IN NORMAL USE. USE ONLY NIOSH/MSHA ORGANIC VAPOR APPROVED EQUIPMENT IF NECESSARY.

HAND PROTECTION:

CHEMICAL RESISTANT GLOVES ARE RECOMMENDED. NO PROTECTION IS REQUIRED IN NORMAL USE.

EYE PROTECTION:

GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS ARE RECOMMENDED.

SKIN AND BODY PROTECTION:

CHEMICAL / OIL RESISTANT CLOTHING IF CONTACT WITH MATERIAL IS LIKELY. NO SKIN PROTECTION IS ORDINARILY REQUIRED UNDER NORMAL CONDITIONS OF USE.

SPECIAL HYGIENE MEASURES:

PRACTICE GOOD PERSONAL HYGIENE. WASH HANDS AFTER USE AND HANDLING.

ENVIRONMENTAL CONTROL:

SEE SECTION 6, 7, 12, 13.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	NOT APPLICABLE
VAPOR PRESSURE:	<1 mm Hg
(%) VOLATILE BY VOLUME:	NOT APPLICABLE
EVAPORATION RATE:	<1 % at 250 °C
APPEARANCE:	MEDIUM AMBER
ODOR:	PETROLEUM
VAPOR DENSITY:	<1 mm
SPECIFIC GRAVITY:	.88
SOLUBILITY IN WATER:	INSOLUBLE

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:

STABLE UNDER NORMAL TEMPERATURES AND PRESSURES

CONDITIONS TO AVOID:

EXCESSIVE HEAT AND SOURCES OF IGNITION

MATERIALS TO AVOID:

STRONG OXIDIZING AGENTS, HEAT, OPEN FLAME

HAZARDOUS DECOMPOSITION PRODUCTS:

DOES NOT DECOMPOSE AT AMBIENT TEMPERATURES

HAZARDOUS POLYMERIZATION:

DOES NOT OCCUR

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

PRODUCT OR INGREDIENTS:

NO DATA IS SPECIFICALLY AVAILABLE FOR THIS PRODUCT AND THEREFORE THIS TOXICOLOGICAL INFORMATION IS BASED ON DATA AVAILABLE FOR THE INGREDIENTS.

ROUTES OF EXPOSURE:

EXPOSURE WILL MOST LIKELY OCCUR THROUGH SKIN CONTACT OR FORM INHALATION OF MECHANICALLY OR THERMALLY GENERATED OIL MISTS.

SKIN AND EYE:

THIS PRODUCT IS NOT A PRIMARY SKIN IRRITANT AFTER EXPOSURE OF SHORT DURATION.

CHRONIC / OTHER EFFECTS:

PROLONGED AND REPEATED CONTACT WITH SKIN CAN CAUSE DEFLATING AND DRYING OF THE SKIN RESULTING IN SKIN IRRITATION AND DERMATITIS. LONG TERM INTENSIVE EXPOSURE TO OIL MIST MAY CAUSE BENIGN LUNG FIBROSIS.

THE FOLLOWING INGREDIENTS ARE CITED ON THE LISTS BELOW: NONE

NTP CARC, NTP SUS, IARC 1, IARC 2A, IARC 2B, OSHA CARC
THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICAL LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY OSHA HAZARD COMMUNICATION STANDARD 29CFR 1910.1200, IARC, OR THE NATIONAL TOXICOLOGY PROGRAM (NTP) AT A CONCENTRATION GREATER THAN 0.1%.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY:

ALL ACUTE AQUATIC TOXICITY STUDIES ON SAMPLES OF LUBRICANT BASE OILS SHOW ACUTE TOXICITY VALUES GREATER THAN 100 mg/L FOR INVERTEBRATES, ALGAE AND FISH.

MOBILITY:

BASE OIL COMPONENT – LOW SOLUBILITY AND FLOAT AND IS EXPECTED TO MIGRATE FROM WATER TO THE LAND; EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.

PERSISTENCE AND DEGRADABILITY:

BIODEGRADATION: THE HYDROCARBONS IN THIS MATERIAL ARE NOT READILY BIODEGRADABLE, BUT SINCE THEY CAN BE DEGRADED BY MICROORGANISMS, THEY ARE REGARDED AS INHERENTLY BIODEGRADABLE.

SECTION 13 – DISPOSAL INFORMATION

DISPOSAL RECOMMENDATIONS BASED ON MATERIAL AS SUPPLIED. THEREFORE, IT MAY BE DISPOSED OF AS AN INDUSTRIAL WASTE IN A MANNER ACCEPTABLE TO GOOD WASTE MANAGEMENT PRACTICE AND IN COMPLIANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

DISPOSAL RECOMMENDATIONS: PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED INCINERATION AT VERY HIGH TEMPERATURES TO PREVENT FORMATION OF UNDESIRABLE COMBUSTION PRODUCTS.

REGULATORY DISPOSAL INFORMATION: TO THE BEST OF PLUSCO, INC'S KNOWLEDGE, THIS PRODUCT IS NOT REGULATED BY CERCLA/RCRA AS A HAZARDOUS WASTE OR MATERIAL. HOWEVER, THIS PRODUCT HAS NOT BEEN TESTED FOR THE TOXICITY CHARACTERISTIC VIA THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE.

EMPTY CONTAINER WARNING: DO NOT ATTEMPT TO REFILL OR CLEAN CONTAINERS SINCE RESIDUE IS DIFFICULT TO REMOVE. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND RETURNED TO A DRUM RE-CONDITIONER. ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.

SECTION 14 – TRANSPORT INFORMATION

LAND-DOT: NOT REGULATED FOR LAND TRANSPORTATION
IF SHIPPED IN A PACKAGING HAVING A CAPACITY OF 3,500 GALLONS OR MORE, THE PROVISIONS OF 49 CFR, PART 130 APPLY. (CONTAINS OIL)

LAND-TDG: NOT REGULATED FOR LAND TRANSPORTATION

SEA-IMDG: NOT REGULATED FOR SEA TRANSPORT
U.S. DOT COMPLIANCE REQUIREMENTS MAY APPLY. SEE 49 CFR 171.22, 23 & 25.

AIR-IATA: NOT REGULATED FOR AIR TRANSPORT
U.S. DOT COMPLIANCE REQUIREMENTS MAY APPLY. SEE 49 CFR 171.22, 23 & 24.

SECTION 15 – REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD:
WHEN USED FOR ITS INTENDED PURPOSES, THIS MATERIAL IS NOT CLASSIFIED AS HAZARDOUS IN ACCORDANCE WITH OSHA 29 CFR 1910.1200.

WHMIS: NOT A CONTROLLED PRODUCT

CHEMICAL INVENTORY LISTING:

EPCRA:
THIS MATERIAL CONTAINS NO EXTREMELY HAZARDOUS SUBSTANCES.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: NONE

SARA (313) TOXIC RELEASE INVENTORY:
THIS MATERIAL CONTAINS NO CHEMICALS SUBJECT TO THE SUPPLIER NOTIFICATION REQUIREMENTS OF THE SARA 313 TOXIC RELEASE PROGRAM

TSCA:
THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (15USC2601-2629)

SECTION 16 – OTHER

“IMPORTANT”: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND THE INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVE TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION FURNISHED BY PLUSCO, INC. HEREUNDER ARE GIVEN GRATIS AND PLUSCO ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED.

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