

MATERIAL SAFETY DATA SHEET CHEMTREC

PRODUCT TRADE NAME: ATLANTIC PF-27 EFFECTIVE DATE: JANUARY 1, 2005	PRODUCT CODE 78200 PAGE 1 OF 2
---	-----------------------------------

TOXICOLOGY INFORMATION FOR YOUR EMPLOYEES. PLEASE MAKE SURE THIS INFORMATION IS GIVEN TO THEM. IT ALSO CONTAINS INFORMATION TO HELP YOU MEET COMMUNITY RIGHT-TO-KNOW/EMERGENCY RESPONSE REPORTING REQUIREMENTS UNDER SARA TITLE 111 AND MANY OTHER LAWS. IF YOU RESELL THIS PRODUCT, THIS MSDS MUST BE GIVEN TO THE BUYER OR THE INFORMATION INCORPORATED IN YOUR MSDS.

NFPA HEALTH HAZARD: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION: B

SECTION 01- HAZARDOUS INGREDIENTS

IF PRESENT, IARL, NTP AND OSHA CARCINOGENS AND CHEMICAL SUBJECT TO THIS REPORTING REQUIREMENTS OF SARA TITLE 111, SECTION 313 ARE IDENTIFIED IN THIS SECTION.

CAS NUMBER	TLV	PEL	%
------------	-----	-----	---

(NON HAZARDOUS) COMPONENTS

PERFLUOROPOLY ETHER OIL	69991-67-9		65 TO 85
POLYTETRAFLUORETHANE	9002-84-0		10 TO 30

PROPRIETARY COMPONENTS N.J. T.S.R.N.

80100362-5105P			1 TO 5
----------------	--	--	--------

SECTION 02-PHYSICAL DATA

WATER SOLUBILITY.....INSOLUBLE BOILING POINT, F N/A
SP. GRAVITY 1.96 MELTING POINT, F N/A
APPEARANCE & COLOR TAN COLOR SEMI SOLID VOLATILE BY VOLUME, %... NIL
ODOR PETROLEUM ODOR VAPOR PRESSURE N/A
EVAPORATION RATE N/A VAPOR DENSITY N/A

SECTION 03-FIRE AND EXPLOSION HAZARDS

FLASH POINT:(ASTM D92) C.O.C. NONE _____
UPPER FLAMMABLE LIMIT: N/D LOWER FLAMMABLE LIMIT: N/D
EXTINGUISHING MEDIA: CO2, FOAM OR DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS OIL FIRE; USE SELF-CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE & EXPLOSIVE HAZARDS: NONE

SECTION 04-ENVIRONMENTAL AND DISPOSAL INFORMATION

ACTION TO BE TAKEN FOR SPILL/LEAKS: Stop flow, scrape, wipe, mop up, or absorb with diatomaceous earth or other inert material. Store in appropriate container for disposal.

DISPOSAL METHOD: Disposal should be in compliance with federal, state, and local laws.

SECTION 05-HEALTH HAZARD DATA

CARCINOGENS: No carcinogens present

ROUTE OF ENTRY: Ingestion

EFFECTS OF OVEREXPOSURE: May cause irritation to eyes and skin on sensitive individuals.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes

SKIN: Wash with soap and water. See physician if irritation persists.

INHALATION: Remove to fresh air. See physician if irritation persists.

ORAL: Call a physician. Do not induce vomiting. Keep Warm.

ADDITIONAL: Prolonged or repeated contact may product mild skin irritation and inflammation.

Personnel with pre-existing skin disorder should avoid contact.

SECTION 06-REACTIVITY DATA

STABILITY: Stable up to 380 C (PTFE). At 400 C hydrofluoric acid and carbonyl fluoride are released due to the PTFE.

INCOMPATIBILITY: Strong oxidizing agents, welding

POLYMERIZATION: Will not occur

THERMAL DECOMPOSITION: Carbon Monoxide, Carbon Dioxide, Trace Fluorine Compounds

CONDITIONS TO AVOID: Do not heat above flash point

SECTION 07-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Normally not needed

GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended.

EYE PROTECTION: Approved safety glasses or goggles

OTHER PROTECTION: Chemically resistant boots and apron recommended.

WORK/HYGIENIC PRACTICES: Use standard methods

SECTION 08-SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Avoid storage near open flame or other sources of ignition. Spills may cause slippery floors. Proper footwear required.

Remove contaminated clothing and laundry before reuse. Wash hands with soap and water before eating, drinking or smoking. Discard contaminated leather gloves and shoes.

The above information is based on the data of which we are aware and believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his/her own determination of the suitability of the material for his/her particular purpose.

May be used to comply with OSHA'S Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

N/D - Not Determined N/A - Not Applicable
< - Less Than > - Greater Than



HUSKEY Specialty Lubricants

manufactured by HUSK-ITT Corporation / SPECIALTY LUBRICANTS Corporation

Western Region Office:
7580 Industrial Avenue, Norco, California 92860
(951) 340-4000 • Fax: (951) 340-4011
(888) 4-HUSKEY • www.huskey.com

Eastern Region Office:
8300 Corporate Park Drive, Macedonia, Ohio 44056
(330) 426-2567 • Fax: (330) 426-9637
(800) 238-LUBE

MATERIAL SAFETY DATA SHEET CHEMTREC (800) 424-9300 (24HR)

PRODUCT TRADE NAME: ATLANTIC PF-29 LUBE PRODUCT CODE NA
EFFECTIVE DATE: JANUARY 1, 2005 PAGE 1 OF 2

THIS MATERIAL SAFETY DATA SHEET CONTAINS ENVIRONMENTAL, HEALTH AND

TOXICOLOGY INFORMATION FOR YOUR EMPLOYEES. PLEASE MAKE SURE THIS INFORMATION IS GIVEN TO THEM. IT ALSO CONTAINS INFORMATION TO HELP YOU MEET COMMUNITY RIGHT-TO-KNOW/EMERGENCY RESPONSE REPORTING REQUIREMENTS UNDER SARA TITLE 111 AND MANY OTHER LAWS. IF YOU RESELL THIS PRODUCT, THIS MSDS MUST BE GIVEN TO THE BUYER OR THE INFORMATION INCORPORATED IN YOUR MSDS.

DOT HAZARDOUS CLASSIFICATION: NOT REGULATED - GREASE OR OIL - N.O.S.

NFPA HEALTH HAZARD: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION: B

SECTION 01- HAZARDOUS INGREDIENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICAL SUBJECT TO THIS REPORTING REQUIREMENTS OF SARA TITLE 111, SECTION 313 ARE IDENTIFIED IN THIS SECTION.

CAS NUMBER	TLV	PEL	%
------------	-----	-----	---

(NON HAZARDOUS) COMPONENTS

PERFLUOROPOLY ETHER OIL	69991-67-9	65 TO 85	
MOLYDENUM DISULFIDE	1317-33-5	5 TO 10	
POLYTETRAFLUORETHANE	9002-84-0	10 TO 30	

PROPRIETARY COMPONENTS N.J. T.S.R.N.

80100362-5100P	1 TO 5
----------------	--------

SECTION 02-PHYSICAL DATA

WATER SOLUBILITY.....INSOLUBLE BOILING POINT, FE N/A
SP. GRAVITY 1.96 MELTING POINT, FE N/A
APPEARANCE & COLOR BLACK COLOR SEMI SOLID VOLATILE BY VOLUME, %..... NIL
ODOR NONE VAPOR PRESSURE N/A
EVAPORATION RATE N/A VAPOR DENSITY N/A

SECTION 03-FIRE AND EXPLOSION HAZARDS

FLASH POINT:(ASTM D92) C.O.C. NONE UPPER FLAMMABLE LIMIT: NONE LOWER FLAMMABLE LIMIT: NONE
EXTINGUISHING MEDIA: CO2, FOAM OR DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS OIL FIRE; USE SELF-CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE & EXPLOSIVE HAZARDS: NONE

SECTION 04-ENVIRONMENTAL AND DISPOSAL INFORMATION

ACTION TO BE TAKEN FOR SPILL/LEAKS: Stop flow, scrape, wipe, mop up, or absorb with diatomaceous earth or other inert material. Store in appropriate container for disposal.

DISPOSAL METHOD: Disposal should be in compliance with federal, state, and local laws.

SECTION 05-HEALTH HAZARD DATA

CARCINOGENS: No carcinogens present

ROUTE OF ENTRY: Ingestion

EFFECTS OF OVEREXPOSURE: May cause irritation to eyes and skin on sensitive individuals.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes

SKIN: Wash with soap and water. See physician if irritation persists.

INHALATION: Remove to fresh air. See physician if irritation persists.

ORAL: Call a physician. Do not induce vomiting. Keep Warm.

ADDITIONAL: Prolonged or repeated contact may product mild skin irritation and inflammation.

Personnel with pre-existing skin disorder should avoid contact.

SECTION 06-REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: None known

POLYMERIZATION: Will not occur

THERMAL DECOMPOSITION: Carbon Monoxide, Carbon Dioxide, trace molybdenum, sulfur, and Fluorine Compounds

CONDITIONS TO AVOID: Above about 400 C the PTFE starts to decompose.

SECTION 07-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Normally not needed

GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended.

EYE PROTECTION: Approved safety glasses or goggles

OTHER PROTECTION: Chemically resistant boots and apron recommended.

WORK/HYGIENIC PRACTICES: Use standard methods

SECTION 08-SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Avoid storage near open flame or other sources of ignition. Spills may cause slippery floors. Proper footwear required.

Remove contaminated clothing and laundry before reuse. Wash hands with soap and water before eating, drinking or smoking. Discard contaminated leather gloves and shoes.

The above information is based on the data of which we are aware and believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his/her own determination of the suitability of the material for his/her particular purpose.

May be used to comply with OSHA'S Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

N/D - Not Determined N/A - Not Applicable
< - Less Than > - Greater Than

b



HUSKEY Specialty Lubricants

manufactured by HUSK-ITT Corporation / SPECIALTY LUBRICANTS Corporation

Western Region Office:
7580 Industrial Avenue, Norco, California 92860
(951) 340-4000 • Fax: (951) 340-4011
(888) 4-HUSKEY • www.huskey.com

Eastern Region Office:
8300 Corporate Park Drive, Macedonia, Ohio 44056
(330) 426-2567 • Fax: (330) 426-9637
(800) 238-LUBE

MATERIAL SAFETY DATA SHEET CHEMTREC (800) 424-9300 (24HR)

PRODUCT TRADE NAME: ATLANTIC PF-30 LUBE PRODUCT CODE 77100
EFFECTIVE DATE: JANUARY 1, 2005 PAGE 1 OF 2

~~THIS MATERIAL SAFETY DATA SHEET CONTAINS ENVIRONMENTAL, HEALTH AND~~

TOXICOLOGY INFORMATION FOR YOUR EMPLOYEES. PLEASE MAKE SURE THIS INFORMATION IS GIVEN TO THEM. IT ALSO CONTAINS INFORMATION TO HELP YOU MEET COMMUNITY RIGHT-TO-KNOW/EMERGENCY RESPONSE REPORTING REQUIREMENTS UNDER SARA TITLE 111 AND MANY OTHER LAWS. IF YOU RESELL THIS PRODUCT, THIS MSDS MUST BE GIVEN TO THE BUYER OR THE INFORMATION INCORPORATED IN YOUR MSDS.

~~DOT HAZARDOUS CLASSIFICATION: NOT REGULATED - GREASE OR OIL - N.O.S.~~

NFPA HEALTH HAZARD: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION: B

SECTION 01- HAZARDOUS INGREDIENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICAL SUBJECT TO THIS REPORTING REQUIREMENTS OF SARA TITLE 111, SECTION 313 ARE IDENTIFIED IN THIS SECTION.

CAS NUMBER TLV PEL %

(NON HAZARDOUS) COMPONENTS

PERFLUOROPOLY ETHER OIL 69991-67-9 65 TO 85
POLYTETRAFLUORETHANE 9002-84-0 10 TO 30

PROPRIETARY COMPONENTS N.J. T.S.R.N.

80100362-5105P 1 TO 5

SECTION 02-PHYSICAL DATA

WATER SOLUBILITY.....INSOLUBLE BOILING POINT, FE N/A
SP. GRAVITY 1.96 MELTING POINT, FE N/A
APPEARANCE & COLOR TAN COLOR SEMI SOLID VOLATILE BY VOLUME, %..... NIL
ODOR PETROLEUM ODOR VAPOR PRESSURE N/A
EVAPORATION RATE N/A VAPOR DENSITY N/A

SECTION 03-FIRE AND EXPLOSION HAZARDS

FLASH POINT:(ASTM D92) C.O.C. NONE UPPER FLAMMABLE LIMIT: N/D LOWER FLAMMABLE LIMIT: N/D
EXTINGUISHING MEDIA: CO2, FOAM OR DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: TREAT AS OIL FIRE; USE SELF-CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE & EXPLOSIVE HAZARDS: NONE

SECTION 04-ENVIRONMENTAL AND DISPOSAL INFORMATION

ACTION TO BE TAKEN FOR SPILL/LEAKS: Stop flow, scrape, wipe, mop up, or absorb with diatomaceous earth or other inert material. Store in appropriate container for disposal.

DISPOSAL METHOD: Disposal should be in compliance with federal, state, and local laws.

SECTION 05-HEALTH HAZARD DATA

CARCINOGENS: No carcinogens present

ROUTE OF ENTRY: Ingestion

EFFECTS OF OVEREXPOSURE: May cause irritation to eyes and skin on sensitive individuals.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with water for at least 15 minutes

SKIN: Wash with soap and water. See physician if irritation persists.

INHALATION: Remove to fresh air. See physician if irritation persists.

ORAL: Call a physician. Do not induce vomiting. Keep Warm.

ADDITIONAL: Prolonged or repeated contact may produce mild skin irritation and inflammation.

Personnel with pre-existing skin disorder should avoid contact.

SECTION 06-REACTIVITY DATA

STABILITY: Stable up to 380 C (PTFE). At 400 C hydrofluoric acid and carbonyl fluoride are released due to the PTFE.

INCOMPATIBILITY: Strong oxidizing agents, welding

POLYMERIZATION: Will not occur

THERMAL DECOMPOSITION: Carbon Monoxide, Carbon Dioxide, Trace Fluorine Compounds

CONDITIONS TO AVOID: Do not heat above flash point

SECTION 07-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Normally not needed

GLOVES PROTECTION: Neoprene or nitrile rubber gloves recommended.

EYE PROTECTION: Approved safety glasses or goggles

OTHER PROTECTION: Chemically resistant boots and apron recommended.

WORK/HYGIENIC PRACTICES: Use standard methods

SECTION 08-SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Avoid storage near open flame or other sources of ignition. Spills may cause slippery floors. Proper footwear required.

Remove contaminated clothing and launder before reuse. Wash hands with soap and water before eating, drinking or smoking. Discard contaminated leather gloves and shoes.

The above information is based on the data of which we are aware and believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his/her own determination of the suitability of the material for his/her particular purpose.

May be used to comply with OSHA'S Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

N/D - Not Determined N/A - Not Applicable
< - Less Than > - Greater Than

b