



001650

IGLOO OIL CHR9

Page: 1

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product Name: IGLOO OIL CHR9

CARQUEST DIST CTR-RALEIG
 P.O. BOX 26006
 2635 MILLBROOK RD

08 70 000 1505400-000

Data Sheet No: 0186880-003
 Prepared: 10/03/90
 Supersedes: 12/05/89

RALEIGH NC 27611

PRODUCT: 80010404
 INVOICE: 097920
 INVOICE DATE: 09/27/90
 TO:

ATTN: PLANT MGR / SAFETY DIR.

SECTION II - PRODUCT IDENTIFICATION

General or Generic ID: MIXTURE-HALOGENATED AND ALIPHATIC HYDROCARBONS

DOT Hazard Classification: NON-FLAMMABLE COMPRESSED GAS (173.300)

SECTION III - COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION. SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT	% (by WT)	PEL	TLV	Note
DICHLORODIFLUORO METHANE CAS #: 75-71-8	50 - 86	1000 PPM	1000 PPM	(1)
PETROLEUM OIL CAS #: 64742-52-5	14 - 50	5 MG/M3	5 MG/M3	(2)

Notes:

(1) THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

(2) PEL/TLV NOT ESTABLISHED FOR THIS MATERIAL

PEL/TLV IS FOR OIL MIST. ACGIH SHORT TERM EXPOSURE LIMIT (STEL) FOR OIL MIST IS 10 MG/CUM.

SECTION IV - PHYSICAL DATA

Boiling Point	for PRODUCT	(-21.00 Deg F -29.44 Deg C) a 760.00 mm Hg
Vapor Pressure	for PRODUCT	a 4893.00 mm Hg (77.00 Deg F 25.00 Deg C)
Specific Vapor Density	AIR = 1	6.3
Specific Gravity		a 1.124 (77.00 Deg F 25.00 Deg C)
Percent Volatiles		40-55%
Evaporation Rate		SLOWER THAN ETHER
State		LIQUID
Form		HOMOG SOLN

SECTION V - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT(COC) 400.0 Deg F (204.4 Deg C)

EXPLOSIVE LIMIT UNAVAILABLE

EXTINGUISHING MEDIA: REGULAR FOAM OR CARBON DIOXIDE

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS: , HYDROGEN CHLORIDE, PHOSGENE, HYDROGEN FLUORIDE, CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

SPECIAL FIRE & EXPLOSION HAZARDS: NOT APPLICABLE

NFPA CODES: HEALTH- 2 FLAMMABILITY- 1 REACTIVITY- 0

SECTION VI - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: NOT ESTABLISHED FOR PRODUCT. SEE SECTION II.



001650

IGLOO OIL CHR9

Page: 2

~~SECTION V - HEALTH HAZARD DATA (Continued)~~
EFFECTS OF ACUTE OVEREXPOSURE: FOR COMPONENT

EYES - CAN CAUSE MODERATE IRRITATION, REDNESS, TEARING.
 SKIN - PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.
 BREATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS.
 IF SWALLOWED - BY NATURE OF PRODUCT PROBLEMS NOT EXPECTED, BUT INDUSTRIAL PRODUCTS ARE NEVER MEANT TO BE SWALLOWED.

FIRST AID:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.
 IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.
 IF SWALLOWED: DO NOT INDUCE VOMITING, KEEP PERSON WARM AND QUIET, AND GET MEDICAL ATTENTION.
 IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.
 DO NOT GIVE STIMULANTS. EPINEPHRINE OR EPHEDRINE MAY ADVERSELY AFFECT THE HEART WITH FATAL RESULTS.

PRIMARY ROUTE(S) OF ENTRY:

INHALATION

~~SECTION VI - REACTIVITY DATA~~

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH: ALKALI METALS, POWDERED METALS, ALKALINE METALS, STRONG OXIDIZING AGENTS.

~~SECTION VII - SPILL OR LEAK PROCEDURES~~
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: VENTILATE AREA.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES, INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS).

PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED.

WASTE DISPOSAL METHOD:

SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

ALLOW MATERIAL TO EVAPORATE.

LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

RETURN TO SUPPLIER FOR RECLAMATION.

~~SECTION VIII - SPECIAL PROTECTIVE EQUIPMENT TO BE USED~~

RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION II), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: POLYVINYL ALCOHOL

EYE PROTECTION: WEAR SAFETY GLASSES IN COMPLIANCE WITH OSHA REGULATIONS. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

OTHER PROTECTIVE EQUIPMENT: NORMAL WORK CLOTHING COVERING ARMS AND LEGS.

~~SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS~~

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.



000933

IGLOO OIL CHRGR

Page: 1

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product Name: IGLOO OIL CHRGR
CAS NUMBER: UNKNOWN - -

pln 9000v

IGLOO PRODUCTS
IGLOO PROD-ROBINSON

314 ROBINSON STREET

HERNANDO MS 38632

ATTN: PLANT MGR / SAFETY DIR.

08 70 000 0898961-000

PRODUCT: 80011002
INVOICE: 081504
INVOICE DATE: 11/18/88
TO:

Data Sheet No: 0186880-001
Prepared: 10/03/85
Supersedes: (N/A)

SECTION I - PRODUCT IDENTIFICATION

General or Generic ID: BLEND

DOT Hazard Classification: NON-FLAMMABLE COMPRESSED GAS (173.300)

SECTION II - COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION. SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT	% (by WT)	PEL	TLV	Note
DICHLORODIFLUORO METHANE CAS #: 75-71-8	40-55	1000 PPM	1000 PPM	
REFRIGERATION OIL/ COMPRESSOR OIL	40-55		5 MG/M3	(1)

Notes:

(1) PEL/TLV NOT ESTABLISHED FOR THIS MATERIAL

SECTION III - PHYSICAL DATA

Boiling Point	for PRODUCT	-21.00 Deg F (-29.44 Deg C) @ 760.00 mm Hg
Vapor Pressure	for PRODUCT	@ 4893.00 mm Hg (77.00 Deg F) (25.00 Deg C)
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Evaporation Rate		SLOWER THAN ETHER
State		LIQUID
Form		HOMOG SOLN

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FLASH POINT(COC) 400.0 Deg F (204.4 Deg C)

EXPLOSIVE LIMIT UNAVAILABLE

EXTINGUISHING MEDIA: REGULAR FOAM OR CARBON DIOXIDE

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS: HYDROGEN CHLORIDE, PHOSGENE, HYDROGEN FLUORIDE, CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT AND POSSIBLY ENDANGER THE LIFE OF THE FIREFIGHTER, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

SPECIAL FIRE & EXPLOSION HAZARDS: NOT APPLICABLE

NFPA CODES: HEALTH- 2 FLAMMABILITY- 0 REACTIVITY- 0

SECTION V - HEALTH HAZARD DATA

EFFECTS OF ACUTE OVEREXPOSURE: FOR COMPONENT

EYES - CAN CAUSE MODERATE IRRITATION, REDNESS, TEARING.
SKIN - PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS.
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~~SECTION V - HEALTH HAZARD DATA (Continued)~~FIRST AID:

- IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRER CONTAMINATED CLOTHING BEFORE RE-USE.
- IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.
- IF SWALLOWED: IMMEDIATELY DRINK TWO GLASSES OF WATER AND INDUCE VOMITING BY EITHER GIVING IPECAC SYRUP OR BY PLACING FINGER AT BACK OF THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.
- IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.
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PRIMARY ROUTE(S) OF ENTRY:

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STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH: ALKALI METALS, POWDERED METALS, ALKALINE METALS, STRONG OXIDIZING AGENTS.

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SMALL SPILL: ELIMINATE ALL SOURCES OF IGNITION SUCH AS FLARES, FLAMES (INCLUDING PILOT LIGHTS), AND ELECTRICAL SPARKS.

VENTILATE AREA.

ALLOW TO EVAPORATE.

LARGE SPILL: ALLOW TO EVAPORATE. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA UNTIL LEAK HAS BEEN REPAIRED.

WASTE DISPOSAL METHOD:

SMALL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. PACKAGE REMAINING MATERIAL IN PAPER AND BURN IN AN INCINERATOR IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LARGE SPILL: RETURN TO SUPPLIER FOR RECLAMATION.

~~SECTION VIII - PERSONAL PROTECTIVE EQUIPMENT TO BE USED~~

RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION II), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

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