## RECD FEB 1 5 1999

MSDS #N113 **6100** 

Material Safety Data Sheet

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

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form)

Form Approved

CHM 00143 X45100271-010



OMB No. 1218-0072 IDENTITY (As Used on Label and List) Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that H.B. REFRIGERATION OIL #4 #H-2401,)H-2406 Section 1 Manufacturer's Name Emergency Telephone Number During Transit - INFOTRAC 800-535-5053 (972) 492-1800 Calcumet Refining Company Address (Number, Street, City, State, and ZIP Code) Telephone Number for Information 14000 Mackinaw Avenue (972) 492-1800 ----Date Prepared 60633 9/02/97 Chicago, IL Signature of Pregarer (optional) (Packaged by North American Research Corp Section II — Hazardous Ingredients/Identity Information Other Limits ACGIH TLV OSHA PEL Recommended Hazardous Components (Specific Chemical Identity; Common Name(s)) % (optional) 5mg/m<sup>3</sup>as mist (CAS #64742-44-5) N/A Mineral Oil N/A 100 SHIPPING DESCRIPTION: NFPA HAZARD RATING Lubricating Oils NMFC #155250 "1" Health Flammable "0" Reactivity "Please consider recycling this product after use" Section III - Physical/Chemical Characteristics Specific Gravity (H2O = 1) **Boiling Point** 0.9 500°F **Melting Point** Vapor Pressure (mm Hg.) N/A a 20°C Negligible Evaporation Rate Vapor Density (AIR = 1) Negligible Above 5 (Butyl Acetate = 1). Solubility in Water Insoluble Appearance and Odor Mineral oil odor Pale yellow liquid; Section IV — Fire and Explosion Hazard Data Flammable Limits UFL Flash Point (Method Used) N/A N/A 302°F Min PMCC Extinguishing Media Dry chemical, carbon dioxide, water fog and foam. Special Fire Fighting Procedures Use water spray to cool containers exposed to flames. Fire fighting personnel should wear respiratory protection (positive pressure if available). Unusual Fire and Explosion Hazards Product of combustion include fumes, smoke and carbon monoxide.

NOTE: water fog and foam may cause frothing and spattering.



Section V —	Reactivity Data						<u> </u>
Stability	Unstable		Conditions to Avoid	None	·		
	Stable	x					
incompatibility (I	Materials to Avoid)	<u> </u>		ant in anco	vugon regulator	·	
Strong oxi	prosition or Byomdu	cts			xygen regulator	•	
Carbon mor	noxide and o	ther	combustion pr	oducts of h	ydrocarbons		
Hazardous Polymerization	May Occur		Conditions to Avoid	None			
	Will Not Occur	х					
Section VI -	Health Hazard	Data					
Route(s) of Entry:	Inha	dation?	х	Skin? X		Ingestion?	X
Health Hazards (	<u>rsible eve a</u>	nd s	<u>cin irritation</u>	Prolonge	ow a low order d skin exposure	may cau	se dermarrirs
or oil acn	e. Breathin	g mi			pulmonary irri	-	
cause cram	ps and diarr		Chronic over	exposure -	no reaction exp		
Carcinogenicity:	NTI	? No		IARC Mond	graphs? No	OSHA Reg	Julated? No
Not a	carcinogen			·			
Signs and Symp	toms of Exposure	See	"Health Hazard	is" above			
Medical Condition	ns				· · · · · · · · · · · · · · · · · · ·		
Generally Aggra	vated by Exposure	Ex	isting dermati	tis		,	
occur exce immediatel wash with Section VII	pt as mist. y with water soap & water - Precautions ten in Case Material	Rem at if for Sa	least 15min. I rash develors ife Handling and ased or Spilled	If irritations see a phy	on persists, consician, INGESTIC	sult a p N: DO NO : a physi	T induce vomiting cian immediately.
	gnition sour				may be soaked ur		
narge qua					·		
Waste Disposal	Method	to ci	rrent local.	state & fed	eral regulations	. Mater	rials may
	zardous wast			nsider recy	cling. Consult	your SPC	C plan.
			· · · -				
Keep away	from flames	, spa	irks or hot su	rvaces. Ne	ver use a torch	to cut c	or werd ou or
near cont		ty o	l containers	can contain	explosive vapor	rs.	
Other Precaution	ons r oil soaked	clo	hing. Launde	r or dry cl	ean before wear:	ing. Dis	scard
oil soake				<del></del>			
Section VIII	- Control Mea	asure:	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·
Respiratory Pro	stection (Specify Type	e)		ed if expos	ure limit is ex	ceeded.	
NIOSH/MSH Ventilation	I seed Exhaust				Special N/A		
	Mechanical (Gen	eral),,,	entilated area	.5	Other		
Protective Glov	100			Eye P	otection Tety glasses or	splash d	oggles
Oil resis	tant (neopi	ene	or plastic)				
Oil resis	tant apron V	vhere	splashing is	likely to	prevent clothing	Contami	oms
Work/Hygienic	racuces is thoroughly	aft	er use & befor	re eating,	drinking or usin	y restro	