



North America
A subsidiary of Snap-on Incorporated

June 2002

To our valued customers:

Please find attached for your review and records the appropriate Material Safety Data Sheets pertaining to our two types of wire pulling lubricant, specifically:

EAN #	Product Code	Product Description
7311518253714	810110	Cream Lubricant-Quart Bottle
7311518253721	810111	Cream Lubricant-5 Gallon Bucket
7311518253738	810112	Gel Lubricant-Clear-Quart Bottle
7311518253745	810113	Gel Lubricant-Clear-5 Gallon Bucket

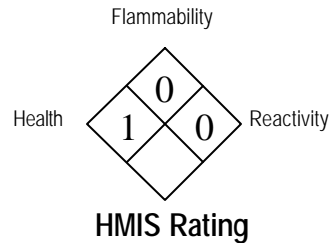
These sheets identify the manufacturer of this lubricant including their emergency contact phone number if required. You can also access their web site at

If the manufacturer is not available, emergency contact is via CHEMTREC at 1-800-424-9300 24-hours a day. For general information contact:

Snap-on Kenosha Mail Room
262-656-5222

BAHCO North America, A subsidiary of Snap-on Incorporated

P.O. Box 7577 31908•6969 Jamesson Road, Columbus, Georgia 31909•706-563-9590•Fax 706-561-0061



MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) YELLOW 77® PLUS Wire Pulling Lubricant		CATALOG NUMBER All "31" Series
MANUFACTURER'S NAME IDEAL INDUSTRIES, INC.		EMERGENCY TELEPHONE NO. (815) 895-5181
ADDRESS (Number, Street, City, State, Zip Code) Becker Place, Sycamore, IL 60178		
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) None		
CHEMICAL DESCRIPTION Water-Wax Emulsion	FORMULA Proprietary	

SECTION I - INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)*	Listed as a carcinogen in NTP, IARC or OSHA 1910(z) (specify)
7732-18-5	<90	Water	No
Proprietary	<5	Paraffin Wax	No
8009-03-8	<5	Petrolatum U.S.P	No
8042-47-5	<5	White Mineral Oil U.S.P (See *A)	No
9005-08-7	<5	Poly(oxy-1,2-ethanediy), a-(1-oxo-9-octadecenyl)-w-(1-oxooctadecyl)oxy-	No
9002-84-0	<1	Teflon®	No
61791-44-4	<1	Ethanol, 2,2'-iminobis-,N-tallow alkyl derivs	No
9003-01-4	<1	Carbomer Thickener	No
124-68-5	<1	1-Propanol, 2-amino-2-methyl	No
4080-31-3	<1	3,5,7-Triaza-1-azoniatricyclo[3.3.1.1 ^{3,7}]decane, 1-(3-chloro-2-propenyl)-, chloride	No
5989-27-5	<1	Lemon Fragrance	No
6358-31-2	<0.1	Butanamide, 2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo-	No

SECTION II - PHYSICAL DATA

BOILING POINT 212 °F 100 °C	SPECIFIC GRAVITY (H ₂ O=1) 0.93	PERCENT VOLATILE BY VOLUME (%) <90
SOLUBILITY IN WATER Moderate	pH = 6.5 - 7.5	PERCENT SOLID BY WEIGHT (%) ~15
APPEARANCE AND ODOR Yellow creamy paste, slight odor	IS MATERIAL: LIQUID SOLID GEL GAS PASTE POWDER	

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT None	method used C.O.C	FLAMMABLE LIMITS	LEL None	UEL None
EXTINGUISHING MEDIA Use extinguishing media suitable for surrounding materials.				
SPECIAL FIRE FIGHTING PROCEDURES Self-contained respiratory protection should be provided for fire fighters. Keep fire exposed containers cool with water.				
UNUSUAL FIRE AND EXPLOSION HAZARDS None				

- None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200
- A: Oil is severely hydrotreated with a polymorphonuclear content at less than 0.1% and meets OSHA 29 C.F.R. 1910.1200.
Teflon® is a registered trademark of E.I. DuPont de Nemours & Company.

SECTION IV - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE - Conditions to Avoid	None normally expected. Upon prolonged contact, may cause temporary eye discomfort.
THRESHOLD LIMIT VALUE	None established
PRIMARY ROUTES OF ENTRY Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify)	
EMERGENCY FIRST AID PROCEDURES	
SKIN CONTACT:	Wash with soap and water for 15 minutes.
EYE CONTACT:	Flush with water for 15 minutes. Inhalation: Remove to fresh air.
INGESTION:	Administer water or milk. Consult physician or local poison control center.

SECTION V - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None
INCOMPATIBILITY (materials to avoid)			
Avoid strong oxidizers.			
HAZARDOUS DECOMPOSITION PRODUCTS:			
Excessive heat and burning may release oxides of carbon and nitrogen.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	Avoid prolonged storage at temperatures above 120 F.

SECTION VI - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	
Wipe up, shovel or vacuum spilled material. Clean up spills immediately as they can be dangerously slippery.	
WASTE DISPOSAL METHOD	
Comply with Federal, state and local regulations for solid landfill.	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)	
None Required	
RCRA HAZARDOUS WASTE NO. (40CFR 261.33)	
None Required	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)	
None	
Theoretical ____ lb/gal	N/A
Analytical ____ lb/gal	N/A

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)			
None normally required.			
VENTILATION	LOCAL EXHAUST (Specify Rate)	None	SPECIAL
	MECHANICAL (General) (Specify Rate)	Recommended in closed areas.	OTHER
PROTECTIVE GLOVES (specify type)		EYE PROTECTION (specify type)	
None normally needed. -Neoprene if necessary		Safety glasses or splash goggles.	
OTHER PROTECTIVE EQUIPMENT			
Eye fountain in work area is recommended.			

SECTION VIII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Store at temperatures between 40 - 120° F.	
OTHER PRECAUTIONS	
Keep away from children, infants and pets.	

SECTION IX - ADDITIONAL INFORMATION

If material is used in extreme heat (>120° F), prolonged and repeated exposure could pose a risk of pulmonary disease. Exposure below TLV (5mg/m) appears to be without risk.	
N/A = Not Applicable, N.E. = None Established	
THIS MATERIAL SAFETY DATA SHEET PREPARED BY:	
NAME	James R. MacMurdo
TITLE	Quality Assurance Manager
DATE	6/29/00
SIGNATURE	