

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) YELLOW 77® Aerosol 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	<80	Water	No
Proprietary	<10	Paraffin Wax	No
8009-03-8	<5	Petrolatum	No
64742-53-6	<5	Napthenic Mineral Oil (See *A)	No
9005-08-7	<4	Polyethylene Glycol Ester	No
9004-99-3	<1	Polyethylene Glycol Ester	No
Proprietary	<0.1	Perfume	No
9004-32-4	<1	Cellulose Gum	No
4080-31-3	<1	Antimicrobial Agent	No
6358-31-2	<0.1	Yellow Pigment	No
57-11-4	<10	Stearic Acid	No

SECTION II - PHYSICAL DATA

BOILING POINT ≤0 °F ≤-18 °C	SPECIFIC GRAVITY (H ₂ O=1) 0.98	PERCENT VOLATILE BY VOLUME (%) ≤90
SOLUBILITY IN WATER Moderate	pH = 8.3 - 9.5	PERCENT SOLID BY WEIGHT (%) ~25
APPEARANCE AND ODOR Yellow liquid foam slight perfume odor	IS MATERIAL: LIQUID SOLID GEL <input checked="" type="radio"/> Foam GAS PASTE POWDER	

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT Product - None Propellant <0 F.	method used C. O. C.	FLAMMABLE LIMITS	LEL 1.9	UEL 9.5
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 Keep at room temperature as exposure to direct sunlight or other heat may cause bursting				

* 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 propellant used at 5% of the total package weight is propanol/isobutane (C.A.S. 74-98-6/75-28-5).

*A: Oil severely hydrotreated with a polymorphonuclear content at less than 0.1% and meets OSHA 29 C.F.R 1910.1200

SECTION IV - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE - Conditions to Avoid	
None normally expected. Upon prolonged contact may cause temporary eye discomfort.	
Inhalation could cause respiratory irritation.	
THRESHOLD LIMIT VALUE	
Mineral Oil Mist: 5mg/m ³ Paraffin: 2mg/m ³ Propellant: 1000ppm	
PRIMARY ROUTES OF ENTRY Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify) Inhalation	
EMERGENCY FIRST AID PROCEDURES:	
SKIN CONTACT:	Wash with soap and water
EYE CONTACT:	BREATHEING: Flush with water for 15 minutes. Remove to fresh air
INGESTION:	Do not induce vomiting. Consult physician or local poison control center

SECTION V - REACTIVITY DATA

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

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	
Do not incinerate. 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)	
5% by weight	
^a Theoretical ____ lb/gal	N/A
^b Analytical ____ lb/gal	N/A

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)			
None normally required			
VENTILATION	LOCAL EXHAUST (Specify Rate)	See below.	SPECIAL None
	MECHANICAL (General) (Specify Rate)	Recommended in closed areas	OTHER None
PROTECTIVE GLOVES (specify type)		EYE PROTECTION (specify type)	
None normally needed -Neoprene if necessary		Safety glasses or splash goggles	
OTHER PROTECTIVE EQUIPMENT			
Provide local exhaust to insure TLV and IFL limits are not exceeded			


SECTION VIII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Store at temperatures between 40 - 120° F. Avoid freezing. Do not puncture or incinerate cans.	
OTHER PRECAUTIONS	
Keep away from children, infants and pets. Do not dispose of cans without first expelling all contents. Contents under pressure.	

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 ³) appears to be without risk.	
This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA:	
CAS # 4080-31-3, 1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride, 0.2%	
N/A = Not Applicable, N.E. = None Established	

THIS MATERIAL SAFETY DATA SHEET PREPARED BY:

NAME	James R. MacMurdo	SIGNATURE
TITLE	Director, Corporate Quality Assurance	
DATE	11/10/2003	