



MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) Aqua-Gel® CW 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 Polymer-based Mixture	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	<45	Water	No
4080-31-3	<0.1	2-Bromo-2-Nitropropane 1,3 Diol	No
25322-68-3	<60	Polyethylene Glycol	No
124-68-5	<1	Amino-Methyl-Propanol	No
102-71-6	<0.5	Triethanloamine	No
10043-35-3, 102-71-6, 141-43-5, 165445-22-7, 693-23-2	<1	Proprietary Mixture of Boric Acid, TEA, MEA, Succinic Acid Salt Ester, Dodecanedioic Acid	No
605-254-72	<0.01	Red Pigment	No

SECTION II - PHYSICAL DATA

BOILING POINT 212 °F 100 °C	SPECIFIC GRAVITY (H ₂ O=1) 1.10	PERCENT VOLATILE BY VOLUME (%) <45
SOLUBILITY IN WATER Infinite	pH = 7.5 - 8.5	PERCENT SOLID BY WEIGHT (%) ~60
APPEARANCE AND ODOR Pink gel mild odor	IS MATERIAL: LIQUID GAS SOLID PASTE POWDER <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	

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 None				
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

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	N F
PRIMARY ROUTES OF ENTRY Inhalation <input 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- Move to fresh air.
INGESTION:	Administer water or milk. Consult physician or local poison control center.

Comment:

SECTION V - REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID	Avoid prolonged storage at temperatures exceeding 180 F.
	STABLE		
INCOMPATIBILITY (materials to avoid)			
Avoid Strong oxidizers and nitrates.			
HAZARDOUS DECOMPOSITION PRODUCTS:			
Oxides of carbon and nitrogen.			
HAZARDOUS POLYMERIZATION	MAY OCCUR	CONDITIONS TO AVOID	None
	WILL NOT OCCUR		

SECTION VI - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Wipe up, shovel or vacuum spilled material.
WASTE DISPOSAL METHOD	Clean up spills immediately as they can be dangerously slippery.
	Comply with Federal, state and local regulations for solid landfill.
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)	N/A
RCRA HAZARDOUS WASTE NO. (40CFR 261.33)	N/A
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)	N/A
¹ Theoretical ____ lb/gal	N/A
² Analytical ____ lb/gal	N/A

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)	None normally required.			
VENTILATION	LOCAL EXHAUST (Specify Rate)	None	SPECIAL	None
	MECHANICAL (General) (Specify Rate)	Recommended in closed areas.	OTHER	None
PROTECTIVE GLOVES (specify type)	None normally needed-Neoprene if necessary	EYE PROTECTION (specify type)	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 - +180 F.
OTHER PRECAUTIONS	Keep away from children, infants and pets.

SECTION IX - ADDITIONAL INFORMATION

Do not mix with nitrites. Under extreme temperatures, contact with nitrites could result in the formation of nitrosamines which are potential carcinogens.
--

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	03/10/2009	

James R. MacMurdo