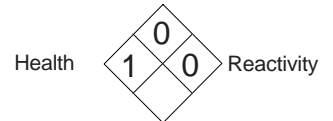




Flammability

**HMIS Rating**

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

| | | |
|---|-------------------------------|--|
| PRODUCT NAME OR NUMBER (as it appears on label) Aqua-Gel® II Utility Cable 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 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 | <90 | Water | No |
| 4080-31-3 | <1 | Antimicrobial Agent | No |
| Trade Secret | <10 | Polyalkylene Glycol | No |
| 9003-11-6 | <5 | Polyglycol | No |
| Proprietary | <1 | Carboxylic Amine Salt | No |
| 9003-01-4 | <1 | Carbomer Thickener | No |
| 124-68-5 | <1 | Amino-Methyl-Propanol | No |
| 205-199-42 | <1 | Blue Pigment | No |
| | | | |
| | | | |
| | | | |

SECTION II - PHYSICAL DATA

| | | |
|--|--|--|
| BOILING POINT 212 °F °C | SPECIFIC GRAVITY (H ₂ O=1) 0.98 | PERCENT VOLATILE BY VOLUME (%) <90 |
| SOLUBILITY IN WATER Infinite | pH = 7.0 - 8.0 | PERCENT SOLID BY WEIGHT (%) ~10 |
| APPEARANCE AND ODOR Clear blue gel, mild 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 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

Aqua-Gel® II Utility Cable Pulling Lubricant

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.E. |
| 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. |
| EYE CONTACT: | Flush with water. |
| 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 190 F. |
| | STABLE | X | |
| INCOMPATIBILITY (materials to avoid) | | | Avoid strong oxidizers and nitrites. |
| HAZARDOUS DECOMPOSITION PRODUCTS: <small>In the unlikely event of combustion of dried residue, oxides of carbon and nitrogen may be released.</small> | | | |
| 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 | 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) | None |
| <input type="checkbox"/> Theoretical _____ lb/gal | N/A |
| <input type="checkbox"/> 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) None normally required. Safety glasses or splash goggles recommended. |
| OTHER PROTECTIVE EQUIPMENT Eye fountain in work area is recommended but not necessary. | | | |

SECTION VIII - SPECIAL PRECAUTIONS

| | |
|---|---|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING | Store at temperatures between 40 - 180 F. Avoid freezing. |
| OTHER PRECAUTIONS | Keep away from children, infants and pets. |

SECTION IX - ADDITIONAL INFORMATION

| |
|---|
| Extreme temperatures of combustion or burning and contact with nitrites could result in the formation of nitrosamines which are potential carcinogens. This condition is unlikely to occur. |
|---|

N/A = Not Applicable, N.E. = None Established

THIS MATERIAL SAFETY DATA SHEET PREPARED BY:

| | |
|------------------------------------|-----------|
| Name | SIGNATURE |
| Ronald Petersen | |
| Title | |
| Senior Product Development Chemist | |
| Date | |
| 6/8/98 | |