



MATERIAL SAFETY DATA SHEET

Wire Pulling Lubricant

Revision 2
Prepared 2011-3-23

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Power Glide

Product Codes(s): 99930, 99932, 99934

Synonyms: Aqueous based polymer mixture

General Use: Lubricant

Manufacturer Morris Products
53 Carey Road
Queensbury, NY 12804

Telephone Number for Information

888-777-6678

Emergency Telephone Number

800-638-3160

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Colorless gel; mild odor. May be irritating to eyes and skin.

OSHA/HCS Status: This material contains "Hazardous Chemicals" as defined by the OSHA Hazard Communication Standard (28 CFR 1910.1200).

EEC LABELING AND RISK PHRASES Xi, R36

EXPECTED ROUTES OF EXPOSURE

EYE CONTACT SKIN

EFFECTS OF OVEREXPOSURE

EYES: Causes irritation on direct contact.

SKIN: Prolonged or repeated contact may dry skin and cause irritation.

INHALATION: None anticipated if used as directed.

Prolonged overexposure to hazardous ingredients in Section 3 may cause adverse chronic effects to the following organs or systems:
Skin

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES/SKIN: Redness and itching or burning sensation may indicate eye or excessive skin exposure.

INHALATION: None anticipated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing disorders involving the skin and any target organ(s) listed in this section as being at risk may be aggravated by over-exposure to this product.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	Ingredient	CAS Number	EC Number	EC Classification
<5.0	Acrylic copolymer, proprietary			
<0.5	Benzothiazolin-3-one	2634-33-5	220-120-9	Xi, R22, R38, R41, R43; N, R50
<2.0	Triethanolamine	102-71-6	203-049-8	Xi, R36

SECTION 4 - FIRST AID MEASURES

INHALATION: If product vapors cause respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist, seek medical attention immediately.

EYES: Immediately flush eyes with large amounts of water for 15 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain immediate medical attention, preferably from an ophthalmologist.

SKIN: Flush the skin with large amounts of water while removing contaminated clothing. Wash affected area with soap and water. Wash contaminated clothing and shoes thoroughly before reuse.

INGESTION: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT
Not applicable

LEL
N.D.

UEL
N.D.

FLAMMABILITY CLASSIFICATION
Not applicable

EXTINGUISHING MEDIA Use carbon dioxide, dry chemical or foam.

SPECIAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control run-off water to prevent environmental contamination.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective clothing designated in Section 8.
Remove all sources of ignition. Ventilate the area.

SMALL & LARGE SPILLS: Remove with inert absorbent. Shovel product into approved container for disposal.

SECTION 7 - HANDLING AND STORAGE

HANDLING PRECAUTIONS: Wear all appropriate protective equipment specified in Section 8. Keep containers closed when not in use. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

STORAGE CATEGORY: Not applicable

STORAGE PRECAUTIONS: Keep in cool, dry, ventilated storage areas in closed containers. Transfer only to approved containers having correct labeling. Containers that have been opened should be carefully resealed and kept upright to prevent leakage. Do not take internally. Keep out of reach of children,

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

CAS Number	Ingredient	OSHA PEL	ACGIH TLV
2634-33-5	Benzothiazolin-3-one	0.68 mg/m3 TWA	
102-71-6	Triethanolamine		5 mg/m3 TWA

ENGINEERING CONTROLS: Use adequate ventilation. Local exhaust is preferable. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

PROTECTIVE EQUIPMENT: Wear protective clothing to prevent repeated or prolonged contact with product.

RESPIRATORY PROTECTION: Avoid breathing vapor. Always use a NIOSH/MESA approved respirator when vapor concentration exceed applicable concentration limits.

EYE PROTECTION: Wear protective goggles or safety glasses with unperforated side shields during use. Refer to 29 CFR 1910.133, ANSI Z87.1 or European Standard EN 166.

HAND PROTECTION: Wear nitrile gloves or those recommended by glove supplier for protection against materials in Section 3. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

WORK/HYGIENIC PRACTICES: Facilities storing or using this material should be equipped with an eyewash station and safety shower. Practice safe workplace habits. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear gel	pH	6 - 8
ODOR	Mild	% VOLATILE VOLUME	95.47 (calculated)
DENSITY	1.0 g/ml (8.345 lb/gal)	% SOLIDS BY WEIGHT	<3
SPECIFIC GRAVITY	1.0	EVAPORATION RATE	Not established
BOILING POINT	Not established	VAPOR DENSITY	Not established
MELTING POINT	Not established	SOLUBILITY IN WATER	Soluble

VOLATILE ORGANIC COMPOUNDS (VOC)

0.071 b/gal 8.47 g/L Emitted VOC Calculated

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: None known.
Incompatibility (Materials to Avoid): Strong acids, strong bases, strong oxidizing agents.
Hazardous Decomposition Products: Thermal decomposition products include oxides of carbon, oxides of nitrogen.
Hazardous Polymerization: Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGY DATA

CAS No.	Ingredient Name	Test & Species	Result
102-71-6	Triethanolamine	Oral LD50 Rat	5,530 mg/kg
		Dermal LD50 Rabbit	>22.5 g/kg
		Skin corrosion/irritation Rabbit	No skin Irritation
		Serious eye damage/irritation Rabbit	Eye irritation

RTECS - Triethanolamine KL9275000

RTECS - Benzisothiazolin-3-one DE4620000

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

Potential Chronic Health Effects: Triethanolamine (CAS #102-71-6)

Chronic Effects: IARC Group 3- Not classifiable as to its carcinogenicity to humans. Not listed as a carcinogen by ACGIH, NTP and OSHA.

No data is available regarding the mutagenicity and/or teratogenicity of this material, nor is there any available data that indicates it causes adverse developmental and/or fertility effects.

SECTION 12 - ECOLOGICAL INFORMATION

Data for Component: Triethanolamine

Environmental Effects: Not expected to significantly bioaccumulate. May leach into groundwater. Not expected to significantly evaporate.

Environmental Fate and Transport

Biodegradation: This material is expected to be readily biodegradable.

Aquatic Ecotoxicity

Acute and prolonged toxicity to fish: LC50 - Lepomis macrochirus (Bluegill), 96 h: 450 - 1,000 mg/L

Acute toxicity to aquatic invertebrates: EC50 - Daphnia magna (Water flea), 24 h: 1386 mg/L

Acute and prolonged toxicity to aquatic plants: EC50 - Scenedesmus subspicatus (Freshwater algae), 96 h: 160 mg/L

Data for Component: Benzithiazolin-3-one

Environmental Effects: Bioaccumulation potential is low. Potential for mobility in soil is high.

Environmental Fate and Transport

Biodegradation: Not readily biodegradable. Volatilization from natural bodies of water or moist soil is not expected to be an important fate process.

Aquatic Ecotoxicity: Material is very toxic to aquatic organisms (LC50/EC/50/IC50 below 1 mg/L in the most sensitive species).

Acute and prolonged toxicity to fish: LC50 - Oncorhynchus mykiss (Rainbow trout), 96 h: 1.49 - 2.10 mg/L

Acute toxicity to aquatic invertebrates: EC50 - Daphnia magna (Water flea), immobilization, 48 h: 0.61 - 3.35 mg/L

Acute and prolonged toxicity to aquatic plants: EC50 - Pseudokirchneriella subcapitata (Green algae), Growth inhibition rate, 96 h: 0.037 mg/L

SECTION 13 - DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized whenever possible. Although this product is classified as non-hazardous under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261 this material and its container should be disposed of in a safe way as empty containers may contain product residue. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial and Local laws and regulations.

SECTION 14 - TRANSPORT INFORMATION

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

DOT, Ground USA: Not regulated for transportation

UN TDG, Canada: Not regulated for transportation

IMO/IMDG: Not regulated for transportation

ICAO/IATA: Not regulated for transportation

Signal Word: None

Hazard Symbols: Xi - Irritant

Marine Pollutant: This product is not a marine pollutant.

SECTION 15 - REGULATORY INFORMATION

U. S. FEDERAL REGULATIONS

OSHA Hazard Communication Standard: This material contains components which are "Hazardous Chemicals" as defined by the OSHA Hazard Communication Standard (28 CFR 1910.1200).

TSCA Status: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory.

Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories: This product contains triethanolamine (CAS #102-71-6) which is subject to the reporting requirements of Section 311/312 of the Emergency Planning and Community Right-to Know Act of 1986.

Reactive hazard: No **Pressure hazard:** No **Fire hazard:** No **Immediate/acute:** Yes **Delayed/chronic:** No

SARA 313 Information: No components of this product are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

SARA 302/304/311/312 Extremely Hazardous Substance:

No components of the product are subject to the reporting requirements of these sections of Title III of SARA.

SARA 302/304 Emergency Planning & Notification:

No components of the product are subject to the reporting requirements of these sections of Title III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): None of the chemicals in this product are listed as hazardous substances.

Clean Air Act (CAA)

This product does not contain any chemicals that are listed as a Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain any Class 1 Ozone depleters.

This product does not contain any Class 2 Ozone depleters.

Clean Water Act (CWA)

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:

This product contains no chemical(s) known to the state of California to cause cancer or other reproductive harm.

Other U.S. State Inventories:

Triethanolamine (CAS #102-71-6) can be found on the following State Inventories or Right-to-Know lists:

Massachusetts Minnesota New Jersey Pennsylvania Wisconsin

CANADA

WHMIS Hazard Symbol and Classification: Not a controlled product.

Canadian Controlled Products Regulations (CPR): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and the MSDS contains all the information required by the Controlled Products Regulations.

Canadian Domestic Substances List / Non-Domestic Substances List (DS/NDSL):

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.

Canadian Ingredient Disclosure List (IDL): Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.

EUROPEAN ECONOMIC COMMUNITY

EUROPEAN COMMUNITY REGULATORY: All intentional ingredients are listed on the European EINECS Inventory.

EEC LABEL SYMBOL AND CLASSIFICATION:

EEC RISK PHRASES

R36 Irritating to eyes.

EEC SAFETY PHRASES

S2 Keep out of reach of children.

S25 Avoid contact with eyes.

EEC LABEL SYMBOL(S):



"Xi" - Irritant

LABEL SYMBOL(S):



Irritant

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

HMIS HAZARD RATING Legend

* = Chronic Health Hazard 2 = MODERATE
0 = INSIGNIFICANT 3 = HIGH
1 = SLIGHT 4 = EXTREME

National Fire Protection Association (NFPA)

Flammability



Full Text of Risk (R) – Phrases Referenced in Section 3.

R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.