



Safety Data Sheet: MULTI-FUNCTIONAL GEAR ADDITIVE

Revision Date: January 2nd 2019

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product ID: 8019

Product Name: Multi-Functional Gear Additive

Product Description: Additive

Intended Use: Gear Lubricant Additive

COMPANY IDENTIFICATION

Supplier: Well Worth Products, Inc.
180 Dutton Avenue
Buffalo, NY 14211
Tel: (716) 597-0214
Fax: (716) 597-0217
www.wellworthproducts.com

Emergency Telephone: 1-800-424-9300 (24 hours) – CHEM-TREC

SECTION 2 HAZARDS IDENTIFICATION

This material is hazardous according to regulatory guidelines (see SDS Section 15).

Hazard Classification

Health Hazards: Skin Corrosion/Irritation Category 2

Unknown toxicity

Acute toxicity, oral	0.0 %
Acute toxicity, dermal	0.0 %
Acute toxicity, inhalation, vapor	48.1 %
Acute toxicity, inhalation, dust or mist	48.1%

LABEL:

Pictogram:



Signal Word: Warning

Hazard Statements: Causes skin irritation

Precautionary Statement:

Prevention: Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see this label). Take off contaminated clothing and wash before reuse.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None identified

SECTION 3 COMPOSITION / INFORMATION INGREDIENTS

Chemical Name	CAS Number	Percent by Weight
Mineral oil	8042-47-5	20 - 30
Alkyl phosphate	N/A	1 – 4.9
Alkyl dithio thiadiazole	134758-98-8	1 – 4.9
Long-chain alkyl amine	N/A	1 – 4.9
Long-chain alkyl amine	N/A	1 – 4.9

SECTION 4 FIRST AID MEASURES

Ingestion: Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Skin Contact: Take off contaminated clothing and wash before re-use. Wash skin



thoroughly with soap and water. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Eye contact: Flush thoroughly with water. If irritation occurs, get medical assistance.

Remove contact lenses, if present and easy to do. Continue rinsing.

Most important symptoms/effects, acute and delayed

Symptoms: See section 11.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

SECTION 5

FIRE FIGHTING MEASURES

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: CO₂, Dry chemical or Foam. Water can be used to cool and protect exposed material.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: When heated, hazardous gases may be released including; sulfur dioxide. A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.

Special protective equipment and precautions for firefighters

Special fire-fighting procedures: No data available

Special protective equipment for fire-fighters: Wear full protective fire gear including self-containing breathing apparatus operated in the positive pressure mode with full face piece, coat, pants, gloves and boots.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. See Section 8 of the SDS for Personal Protective Equipment.



Methods and material for containment and cleaning up: Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas.

Environmental Precautions: Avoid release to the environment. Do not contaminate water

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hand thoroughly after handling. Launder contaminated clothing before reuse. Avoid environmental contamination. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Use grounding and bonding connection when transferring material. In case of spills, beware of slippery floors and surfaces. Keep container closed when not in use and use with adequate ventilation.

Conditions for safe storage, including any incompatibilities: Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

Chemical Name	Type	Exposure Limit Values	Source
Mineral oil – Inhalable fraction.	TWA	5 mg/m ³	US. ACGIH Threshold Limit Values (02 2012)
Mineral oil – Mist.	REL	5 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
Mineral oil – Mist.	STEL	10 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
Mineral oil – Mist.	PEL	5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)



Appropriate engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Respiratory System: Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s)

Eye/face protection: Safety goggles are considered minimum protection. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.

Skin and body: Where contact is likely, wear chemical resistant gloves, a chemical resistant suit, and boots. Additional body garments should be used based upon the task being performed. Appropriate techniques should be used to remove potentially contained clothing.

Hands: Hand Protection: Wear chemical resistant gloves. Nitrile gloves of minimum thickness 0.4 mm have an expected breakthrough time of 480 minutes or less when in frequent contact with the product. Due to variable exposure conditions the user must consider that the practical use of chemical-protective glove in practice may be much shorter than the permeation time above. Manufacturer's directions for use, especially about the minimum thickness and the minimum breakthrough time, must be observed. This information does not replace suitability tests by the end user since glove protection varies depending on the conditions under which the product is used.

Hygiene measures: Observe good industrial hygiene practices. Avoid contact with skin. Wash contaminated clothing before reuse. Wash hands before breaks and immediately after handling the product.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Physical state and Appearance: Liquid

Color: Clear, Amber

Odor: Aromatic [Slight]

Density: 1.02 g/cm³



Viscosity: 45° cSt at 40°C | 8° cSt at 100°C

Auto-ignition temperature: Not determined

Flash point: Closed cup: 85°C (185°F) [Pensky-Martens.Minimum]

SECTION 10

STABILITY AND REACTIVITY

REACTIVITY: No data available

STABILITY: The product is stable

CONDITIONS TO AVOID: High temperatures, sparks, and open flames

Incompatible Materials: Strong oxidizing agents and reducing agents

SECTION 11

TOXICOLOGICAL INFORMATION

Routes of entry: Skin, Eyes, Ingestion, and Inhalation

Target organs: Contains material which may cause damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS).

Acute effects

Inhalation: Irritating to respiratory system |
Does not meet EU R37 classification criteria.

Ingestion: Ingestion may cause gastrointestinal irritation and diarrhea

Skin contact: May cause skin sensitization |
Non-irritating to the skin. Based on test data for this similar products

Eye contact: Irritating to eyes | Does not meet EU R41 or R36 classification criteria

Adverse effects: Not determined

Carcinogenic effects:

Product/ingredient name **ACGIH, IARC, EPA, NIOSH, NTP, OSHA, EU**
Not classified or listed by IARC, NTP, OSHA, EU, and ACGIH



Toxicity data

Product/ingredient name	Exposure	Result	Species	Dose
Olefin sulfide	mg/kg	LD50 Dermal	Rabbit	20000
Mineral Oil	mg/kg	LD50 Oral	Rat	8600 mg/kg
		LD 50 Dermal	Rabbit	>5000
		LD 50 Oral	Rat	>5000 mg/kg
		LC50 Inhalation Vapor	Rat	>2.18 mg/l 4 hours
Alkyl phosphate	mg/kg	LD50 Dermal	Rabbit	>2000
		LD50 Oral	Rat	>3000 mg/kg
Alkyl dithio thiadiazole	mg/kg	LD50 Dermal	Rabbit	>2000
		LD50 Oral	Rat	>10000 mg/kg
		LC40 Inhalation Vapor	Rat	>2.75 mg/L 4 hours
Long-chain alkyl amine		LD50 Dermal	Rat	251 mg/kg
		LD50 Oral	Rat	612 mg/kg
		LC50 Inhalation Gas.	Rat	157 ppm 4 hours
Polyolefin	mg/kg	LD50 Dermal	Rabbit	>2000
		LD50 Oral	Rat	>10000 mg/kg
		LC50 Inhalation Vapor	Rat	>191741 mg/m3 4 hours
Long-chain alkenyl amine		LD50 Oral	Rat	1689 mg/kg

Other information: N/A

SECTION 12

ECOLOGICAL INFORMATION

Environmental hazards: Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.



Environmental fate: This product contains components which may be persistent in the environment.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste handling and disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14

TRANSPORTATION INFORMATION

DOT

NA1993, combustible liquids, n.o.s. (sulfurized olefins)

IMDG

Not regulated.

IATA

Not regulated.

TDG

Not regulated.

ADG

Not regulated.

SECTION 15

REGULATORY INFORMATION

Hazard symbol: Irritant



Risk phases: May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: Avoid contact with skin, wear suitable gloves, and avoid release to the environment. Refer to special instructions/safety data sheet.



Contains: Long-chain alkyl amine, Long-chain alkenyl amine

US regulation

SARA 313 toxic chemical notification and release reporting: No SARA 313 chemicals are present above the reporting threshold.

SARA 311/312: SARA 311/312 MSDS distribution – chemical inventory – hazard identification: Fire hazard, immediate (acute) health hazard

RQ (Reportable quantity) CERCLA: Hazardous substances: Ethyl acrylate: 1000 lbs. (454 kg);

State- California Prop 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Ethyl acrylate

SECTION 16

OTHER INFORMATION

H302: Harmful if swallowed

H311, H331: Toxic by inhalation and in contact with skin

H315, H319: Irritation to eyes and skin

H335: Irritating to respiratory system

H400: Very toxic to aquatic organisms

H410: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

H413: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Updates made in accordance with implementation of GHS requirements.

The information and recommendations contained herein are, to the best of Well Worth Product, Inc.'s knowledge and belief, accurate and reliable as of the date issued. You can contact Well Worth Products, Inc. to insure that this document is the most current available for 8019 Multi-Functional Gear Additive. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use.