



# Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 /  
Monday, March 26, 2012 / Rules and Regulations

MSD023

Revision: J

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## Fusion Quik-Shot Gun Grease

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Fusion Quik-Shot Gun Grease  
Product part number(s) : 117773, 248280, 2006355

#### 1.2. Recommended use and restrictions on use

No additional information available

#### 1.3. Supplier

Graco Inc.  
P.O. Box 1441  
Minneapolis, MN, 55440-1441  
USA  
[www.graco.com](http://www.graco.com)

#### 1.4. Emergency telephone number

Emergency number : For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA/Canada: 1-800-424-9300  
Outside USA/Canada: 1-703-741-5970

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Hazardous to the aquatic environment – Chronic Hazard Category 2 H411 Toxic to aquatic life with long lasting effects  
Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Hazard statements (GHS US) : H411 - Toxic to aquatic life with long lasting effects  
Precautionary statements (GHS US) : P273 - Avoid release to the environment.  
P391 - Collect spillage.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available



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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
WHITE MINERAL OIL (PETROLEUM)	CAS-No.: 8042-47-5	60 - 100	Asp. Tox. 1, H304
ZINC OXIDE	CAS-No.: 1314-13-2	5 - 10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.



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### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Graco Fusion Quik-Shot Gun Grease

No additional information available

#### ZINC OXIDE (1314-13-2)

##### USA - ACGIH - Occupational Exposure Limits

Local name	Zinc oxide
ACGIH OEL TWA	2 mg/m <sup>3</sup> (Respirable fraction)
ACGIH OEL STEL	10 mg/m <sup>3</sup> (Respirable fraction)
Remark (ACGIH)	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2022

##### USA - OSHA - Occupational Exposure Limits

Local name	Zinc oxide
OSHA PEL (TWA) [1]	5 mg/m <sup>3</sup> (Fume) 15 mg/m <sup>3</sup> (Total dust) 5 mg/m <sup>3</sup> (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1



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### WHITE MINERAL OIL (PETROLEUM) (8042-47-5)

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: white
Odor	: mild
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 238 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 0.95
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available



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Explosive properties : No data available  
Oxidizing properties : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### ZINC OXIDE (1314-13-2)

LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 5.7 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))

#### WHITE MINERAL OIL (PETROLEUM) (8042-47-5)

LD50 oral rat	> 5000 mg/kg Source: International Uniform Chemical Information Database
Skin corrosion/irritation	: Not classified

#### ZINC OXIDE (1314-13-2)

pH	6.07 – 6.55 (2.9E-4 %, 20 °C, OECD 105: Water Solubility)
Serious eye damage/irritation	: Not classified



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### ZINC OXIDE (1314-13-2)

pH	6.07 – 6.55 (2.9E-4 %, 20 °C, OECD 105: Water Solubility)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available

### ZINC OXIDE (1314-13-2)

Viscosity, kinematic	Not applicable (solid)
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

### ZINC OXIDE (1314-13-2)

LC50 - Fish [1]	1.55 mg/l (96 h, Danio rerio, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Zinc ion)

### WHITE MINERAL OIL (PETROLEUM) (8042-47-5)

LC50 - Fish [1]	> 10000 mg/l Source: IUCLID
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### 12.2. Persistence and degradability

### ZINC OXIDE (1314-13-2)

Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

### 12.3. Bioaccumulative potential

### ZINC OXIDE (1314-13-2)

BCF - Fish [1]	78 – 2060 (14 day(s), Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	1.53 (Estimated value)
Bioaccumulative potential	Not bioaccumulative.

### WHITE MINERAL OIL (PETROLEUM) (8042-47-5)

Partition coefficient n-octanol/water (Log Pow)	5.18 Source: Quantitative Structure Activity Relation
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### 12.4. Mobility in soil

#### ZINC OXIDE (1314-13-2)

Surface tension	Not applicable (solid)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, Literature study)
Ecology - soil	Low potential for adsorption in soil.

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

DOT NA No : Not applicable  
UN-No. (TDG) : 3077  
UN-No. (IMDG) : 3077  
UN-No. (IATA) : 3077

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable  
Proper Shipping Name (TDG) : (zinc oxide, Amines, C11-14 branched alkyl monoethyl and diethyl phosphates)  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide, Amines, C11-14 branched alkyl monoethyl and diethyl phosphates)  
Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s. (zinc oxide, Amines, C11-14 branched alkyl monoethyl and diethyl phosphates)

### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not applicable

**TDG**  
Transport hazard class(es) (TDG) : Not applicable





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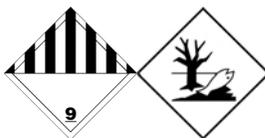
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### IMDG

Transport hazard class(es) (IMDG) : 9

Hazard labels (IMDG) : 9



### IATA

Transport hazard class(es) (IATA) : 9

Hazard labels (IATA) : 9



### 14.4. Packing group

Packing group (DOT) : Not applicable

Packing group (TDG) : Not applicable

Packing group (IMDG) : III

Packing group (IATA) : III

### 14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes



Other information : No supplementary information available.

### 14.6. Special precautions for user

#### DOT

No data available

#### TDG

UN-No. (TDG) : 3077

#### IMDG

Special provision (IMDG) : 274, 335, 966, 967, 969

Limited quantities (IMDG) : 5 kg

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : LP02, P002

Packing provisions (IMDG) : PP12

IBC packing instructions (IMDG) : IBC08

IBC special provisions (IMDG) : B3

Tank instructions (IMDG) : BK1, BK2, BK3, T1

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE

EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS

Stowage category (IMDG) : A

Stowage and handling (IMDG) : SW23



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### IATA

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y956
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
CAO max net quantity (IATA)	: 400kg
Special provision (IATA)	: A97, A158, A179, A197, A215
ERG code (IATA)	: 9L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
ZINC OXIDE	1314-13-2	Present	Active	
WHITE MINERAL OIL (PETROLEUM)	8042-47-5	Present	Active	

### 15.2. International regulations

#### CANADA

##### ZINC OXIDE (1314-13-2)

Listed on the Canadian DSL (Domestic Substances List)

##### WHITE MINERAL OIL (PETROLEUM) (8042-47-5)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

##### ZINC OXIDE (1314-13-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

##### WHITE MINERAL OIL (PETROLEUM) (8042-47-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

No additional information available



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### SECTION 16: Other information

Full text of H-phrases	
H304	May be fatal if swallowed and enters airways
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.