

Fusion Gun Grease

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 13/02/2015



SDSFUG

ENEU

Rev. A

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Fusion gun grease
Product code : 118865, 248279

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Lubricants, greases, release products

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Graco BVBA
Industrieterrein Ounde Bunders
Maasmechelen - Belgium
T +32 89 770 700 - F +32 89 770 777
reach@graco.com

1.4. Emergency telephone number

Emergency number : 1- 703-741-5970 (Chemtrec)
24/24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Carc. 1B H350
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.2; R45
N; R50/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS08

GHS09

Signal word (CLP) : Danger
Hazard statements (CLP) : H350 - May cause cancer
H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308+P313 - IF exposed or concerned: Get medical advice/attention
P391 - Collect spillage

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Distillates (petroleum), hydrotreated heavy naphthenic (contains less than 3% DMSO extract)	(CAS No) 64742-52-5 (EC no) 265-155-0 (EC index no) 649-465-00-7	80 - 90	Carc.Cat.2; R45
Zinc oxide, dust	(CAS No) 1314-13-2 (EC no) 215-222-5 (EC index no) 030-013-00-7	5 - 10	N; R50/53
Lithium stearate substance with national workplace exposure limit(s) (LT, SE)	(CAS No) 4485-12-5 (EC no) 224-772-5	0 - 10	Not classified
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy naphthenic (contains less than 3% DMSO extract)	(CAS No) 64742-52-5 (EC no) 265-155-0 (EC index no) 649-465-00-7	80 - 90	Carc. 1B, H350
Zinc oxide, dust	(CAS No) 1314-13-2 (EC no) 215-222-5 (EC index no) 030-013-00-7	5 - 10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410 M=1
Lithium stearate substance with national workplace exposure limit(s) (LT, SE)	(CAS No) 4485-12-5 (EC no) 224-772-5	0 - 10	Not classified

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. At room temperature, exposure by inhalation is not expected to cause any adverse effects on health.
- First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If material is injected under the skin, seek medical attention immediately.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.
- First-aid measures after ingestion : Do not induce vomiting unless directed to do so by medical personnel. Immediately call a POISON CENTER or doctor/ physician.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after skin contact : Frequent or prolonged contact with skin may cause dermal irritation.
- Symptoms/injuries after eye contact : May cause eye irritation.
- Symptoms/injuries after ingestion : May cause lung damage if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray, carbon dioxide (CO₂), dry chemical powder, foam.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not expected to be a fire/explosion hazard under normal conditions of use.
- Explosion hazard : not explosive.
- Reactivity in case of fire : (strong) oxidizers.
- Hazardous decomposition products in case of fire : Toxic gases and fumes may be released in a fire.

5.3. Advice for firefighters

- Precautionary measures fire : Use water spray or fog for cooling exposed containers.
- Firefighting instructions : Fight fire with normal precautions from a reasonable distance.
- Protective equipment for firefighters : In confined space use self-contained breathing apparatus.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing. Use suitable eye protection and gloves.
Emergency procedures : Eliminate all ignition sources if safe to do so. Evacuate personnel to a safe area.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing. In case of fire: Wear self-contained breathing apparatus.
Emergency procedures : Evacuate area. Ventilate affected area.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Scrape up material.
Methods for cleaning up : wash floor surface with safety solvent or detergent to remove remaining oil film.
Other information : Relevant water authorities should be notified of any large spillage to water course or drain.

6.4. Reference to other sections

For disposal of residues refer to section 13 : Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Keep container closed when not in use. Avoid contact with the skin and the eyes. Ensure adequate ventilation. Do not store near oxidizing agents.
Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Take care for general good hygiene and housekeeping.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store tightly closed in a dry, cool and well-ventilated place.
Incompatible products : Oxidizing agent.
Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Zinc oxide, dust (1314-13-2)		
Belgium	Short time value (mg/m ³)	10 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	5 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³
Czech Republic	Expoziční limity (PEL) (mg/m ³)	2 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	5 mg/m ³
Finland	HTP-arvo (8h) (mg/m ³)	2 mg/m ³
Finland	HTP-arvo (15 min)	10 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	5 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	10 mg/m ³
Lithuania	IPRV (mg/m ³)	5 mg/m ³
Poland	NDS (mg/m ³)	5 mg/m ³
Poland	NDSch (mg/m ³)	10 mg/m ³
Portugal	OEL TWA (mg/m ³)	2 mg/m ³ (respirable fraction)
Portugal	OEL STEL (mg/m ³)	10 mg/m ³ (respirable fraction)
Slovakia	NPHV (priemerná) (mg/m ³)	1 mg/m ³
Slovakia	Upozornenie (SK)	krátkodobý kategória I. , respirabilná frakcia
Sweden	nivågränsvärde (NVG) (ppm)	5 ppm
Sweden	Anmärkning (SE)	total dust 1
United Kingdom	WEL TWA (mg/m ³)	5 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	10 mg/m ³

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Zinc oxide, dust (1314-13-2)		
United Kingdom	Remark (WEL)	(fume)
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	5 mg/m ³
Canada (Quebec)	VECD (mg/m ³)	10 mg/m ³
Canada (Quebec)	VEMP (mg/m ³)	10 mg/m ³
Canada (Quebec)	Notations and remarks	Poussières
USA - ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³ respirable fraction
USA - ACGIH	ACGIH Ceiling (mg/m ³)	10 mg/m ³ respirable fraction
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	15 mg/m ³
USA - NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ (respirable)

Distillates (petroleum), hydrotreated heavy naphthenic (contains less than 3% DMSO extract) (64742-52-5)		
USA - ACGIH	ACGIH TWA (mg/m ³)	5
USA - ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³
USA - OSHA	OSHA PEL (STEL) (mg/m ³)	5 mg/m ³

Lithium stearate (4485-12-5)		
Lithuania	IPRV (mg/m ³)	5 mg/m ³
Sweden	nivågränsvärde (NVG) (mg/m ³)	5 mg/m ³ (total dust)

8.2. Exposure controls

Appropriate engineering controls

: A washing facility/water for eye and skin cleaning purposes should be present.

Personal protective equipment

: Protective goggles. Gloves. Protective clothing.



Materials for protective clothing

: Plastic apron or overall.

Hand protection

: Wear suitable gloves tested to EN374. Neoprene. NBR (Nitrile rubber).

Eye protection

: Safety glasses with side shields.

Respiratory protection

: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Semi-solid.
Colour	: white.
Odour	: Mineral-oil like.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: < 0,01
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 288 °C
Flash point	: 204 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: < 0,01 mm Hg
Relative vapour density at 20 °C	: > 5
Relative density	: 0,94 - 0,95 g/cm ³
Solubility	: Water: negligible
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

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Explosive properties	: not explosive.
Oxidising properties	: not oxidizing.
Explosive limits	: 0,9 vol % 7 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None under normal conditions.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

Sulfur oxides. On incomplete combustion releases : Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Zinc oxide, dust (1314-13-2)

LD50 oral rat	> 5000 mg/kg
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Distillates (petroleum), hydrotreated heavy naphthenic (contains less than 3% DMSO extract) (64742-52-5)

LD50 dermal rabbit	> 2000 mg/kg
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

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Persistence and degradability	Not readily biodegradable.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of at authorized waste collection point.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3082
UN-No. (IMDG) : 3082
UN-No.(IATA) : 3082

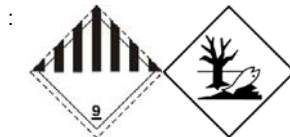
14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper Shipping Name (IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9
Hazard labels (ADR) : 9



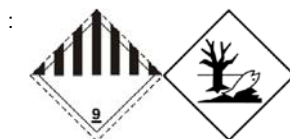
IMDG

Transport hazard class(es) (IMDG) : 9
Danger labels (IMDG) : 9



IATA

Transport hazard class(es) (IATA) : 9
Hazard labels (IATA) : 9



ADN

Transport hazard class(es) (ADN) : Not applicable
:



RID

Transport hazard class(es) (RID) : Not applicable

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14.4. Packing group

Packing group (ADR)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III

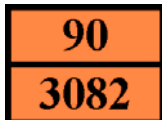
14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes
Other information	: No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: •3Z

14.6.2. Transport by sea

Special provisions (IMDG)	: 274, 335
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
Stowage category (IMDG)	: A
MFAG-No	: 171

14.6.3. Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L

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CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
Special provisions (IATA) : A97, A158
ERG code (IATA) : 9L

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

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. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

15.1.2. National regulations

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Germany

Water hazard class (WGK) : 1 - low hazard to waters

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Other information : 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. It is the user's responsibility to take the mentioned precautionary measures and to ensure that this information is complete and sufficient for the use of this product. This SDS was prepared by Intertek. However, the information is provided without any warranty, expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Intertek does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
H350	May cause cancer
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R45	May cause cancer
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment

SDS EU (REACH Annex II)

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