



## SAFETY DATA SHEET

According to the Hazard Communication Standard, 29 CFR 1910.1200

SDS # : 083332

### CARTER OPEN GEAR GREASE

Date of the previous version: 2015-05-06

Revision Date: 2015-10-13

Version 2.01

#### 1. IDENTIFICATION

##### Product identifier

Product name CARTER OPEN GEAR GREASE

##### Other means of identification

Product Code(s) 083332

Number 7JJ  
Substance/mixture Mixture

##### Recommended use of the chemical and restrictions on use

Identified uses Lubricating grease.

Uses advised against Do not use for any purpose other than the one for which it is intended

##### Details of the supplier of the safety data sheet

Supplier Address TOTAL Specialties USA Inc  
1201 Louisiana Street, Suite 1800  
Houston, TX 77002  
Phone: +1 800 323 3198

Contact Point Technical/ HSEQ

E-mail Address USRMLIN-info@total.com

##### Emergency telephone number

Company Phone Number +1 (908) 862-9300  
Emergency telephone CHEMTREC: +1 800 424 9300 (24h)

#### 2. HAZARDS IDENTIFICATION

##### Classification

Serious eye damage/eye irritation - Category 2A

##### Label elements

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### WARNING

Causes serious eye irritation

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

#### Unknown Acute Toxicity

No information available

#### Hazards not otherwise classified (HNOC)

None known

#### Other information

**Physical-Chemical Properties** Contaminated surfaces will be extremely slippery.

**Environmental properties** Should not be released into the environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Polyisobutylene	9003-27-4	75-80
Natural Amorphous Graphite	7782-42-5	1-5

*\* The exact percentage (concentration) of composition has been withheld as a trade secret\*\*\**

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

#### General advice

If symptoms persist, call a physician. IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE. Show this material safety data sheet to the doctor in attendance.

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<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. If irritation persists, call a physician. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Remove and wash contaminated clothing before re-use.
<b>Inhalation</b>	If symptoms persist, call a physician. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Inhalation of high concentrations of vapor or aerosols may cause irritation of the upper respiratory tract. Artificial respiration and/or oxygen may be necessary.
<b>Ingestion</b>	Clean mouth with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Protection of First-aiders</b>	Use personal protective equipment.

### Most important symptoms/effects, acute and delayed

<b>Skin contact</b>	Not classified. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.
<b>Eye contact</b>	Causes serious eye irritation. Avoid contact with eyes.
<b>Inhalation</b>	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Symptoms</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Itching. Redness.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Carbon dioxide (CO <sub>2</sub> ). ABC powder. Foam. Water spray or fog.
<b><u>Unsuitable Extinguishing Media</u></b>	Do not use a solid water stream as it may scatter and spread fire.
<b><u>Special Hazard</u></b>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

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### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### **General Information**

Use personal protective equipment. Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery.

#### **Other information**

See Section 12 for additional information.

### Environmental precautions

#### **General Information**

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water courses. See Section 12 for additional Ecological Information.

### Methods and materials for containment and cleaning up

#### **Methods for cleaning up**

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Powdered material may form explosive dust-air mixtures. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Advice on safe handling**

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

#### **Prevention of fire and explosion**

Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment.

#### **Hygiene measures**

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Avoid breathing vapors, mist or gas. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

### Conditions for safe storage, including any incompatibilities

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### Technical measures/Storage conditions

Keep out of reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from food, drink and animal feedingstuffs. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

### Materials to Avoid

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Natural Amorphous Graphite 7782-42-5	TWA 2 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 2.5 mg/m <sup>3</sup> (vacated) TWA: 10 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	IDLH: 1250 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup>

### Exposure controls

#### Engineering Measures

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

#### Individual protection measures, such as personal protective equipment

#### General Information

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

#### Eye/Face Protection

If splashes are likely to occur, wear: Safety glasses with side-shields.

#### Skin and body protection

Wear suitable protective clothing. Protective shoes or boots.

#### Hand Protection

Hydrocarbon-proof gloves. Fluorinated rubber. Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

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### Respiratory protection

None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

### Hygiene measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Avoid breathing vapors, mist or gas. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and chemical properties

#### Appearance

smooth  
viscous

#### Color

black

#### Physical State @20°C

solid

#### Odor

Mild

#### Odor Threshold

No information available

#### Property

#### Values

#### Remarks

#### Method

#### pH

Not applicable

#### Melting point/range

No information available

#### Boiling point/boiling range

Not applicable

#### Flash point

192 °C  
378 °F

ASTM D 92  
ASTM D 92.

#### Evaporation rate

< 1.0

@ 25 °C

#### Flammability Limits in Air

No information available

#### upper

-

No information available

#### Lower

-

No information available

#### Vapor Pressure

< 0.013 kPa @ 38 °C

#### Vapor density

> 8

(Air = 1)

#### Relative density

> 1.0

@ 25 °C

#### Density

> 1000 kg/m<sup>3</sup>

@ 25 °C

#### Water solubility

Not applicable

#### Solubility in other solvents

No information available

#### logPow

No information available

#### Autoignition temperature

No information available

#### Decomposition temperature

No information available

#### Viscosity, kinematic

647.3 mm<sup>2</sup>/s

@ 99 °C

ASTM D 445

#### Explosive properties

Not explosive

#### Oxidizing Properties

Not applicable

#### Possibility of hazardous reactions

Not applicable

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### Other information

Freezing Point

No information available

## 10. STABILITY AND REACTIVITY

**Reactivity** No information available.

**Chemical stability** Stable under recommended storage conditions.

**Possibility of hazardous reactions** None under normal processing.

**Conditions to Avoid** Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Heat, flames and sparks. Take precautionary measures against static discharges. Strong oxidizing agents.

**Incompatible Materials** Strong oxidizing agents.

**Hazardous Decomposition Products** None under normal use. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

### Information on likely routes of exposure

**Principle Routes of Exposure** Inhalation, Ingestion, Eye contact, Skin contact.

### Numerical measures of toxicity

ATEmix (oral) 6136 mg/kg  
 ATEmix (dermal) 6537 mg/kg  
 Inhalation  
 ATEmix (inhalation-dust/mist) 22.6 mg/l

### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polyisobutylene 9003-27-4	LD50 > 5000 mg/kg (Rat)	LD50 > 3000 mg/kg (Rabbit)	LC50 (4h) > 17.3 mg/l (Rat)
Natural Amorphous Graphite 7782-42-5	LD50 > 2000mg/kg (Rat - female - OECD423)		

### Information on toxicological effects

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<b>Symptoms</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Itching. Redness.
<b>Skin contact</b>	Not classified. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.
<b>Eye contact</b>	Causes serious eye irritation. Avoid contact with eyes.
<b>Inhalation</b>	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** Not classified as a sensitizer.  
**Carcinogenicity** This product is not classified carcinogenic.

**Mutagenicity** This product is not classified as mutagenic.  
**Reproductive toxicity** This product does not present any known or suspected reproductive hazards.  
**Other adverse effects** Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).  
**Aspiration Hazard** Not classified.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute aquatic toxicity - Product Information

No information available

#### Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms
Natural Amorphous Graphite 7782-42-5	EC50(72h) > 100 mg/l (Pseudokirchnerella subcapitata - static - OECD201)	LC50(96h) > 100 mg/l (Danio rerio - semi static - OECD203)	EC50(48h) > 100 mg/l (Daphnia magna - static - OECD202)	

#### Chronic aquatic toxicity - Product Information

No information available

#### Chronic aquatic toxicity - Component Information





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Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Natural Amorphous Graphite 7782-42-5	NOEC(72h) > = 100 mg/l (Pseudokirchnerella subcapitata - static - OECD 201)			

**Effects on terrestrial organisms** No information available.

### Persistence and degradability

**General Information** No information available.

### Bioaccumulative potential

**Product Information** No information available.

**logPow** No information available

**Component Information** No information available.

### Mobility

**Soil** Given its physical and chemical characteristics, the product has no soil mobility.  
**Air** Loss by evaporation is limited  
**Water** The product is insoluble and floats on water

### Other adverse effects

**General Information** No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

**Waste Disposal Methods** Dispose of in accordance with local regulations. Should not be released into the environment.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

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<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO/IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>ADR/RID</u>	Not regulated
<u>ADN</u>	Not regulated

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

##### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

##### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### U.S. State Regulations

##### **California Proposition 65**

This product contains the following Proposition 65 chemicals.\*\*\*

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Chemical Name	Weight %	California Prop. 65
Quartz - 14808-60-7	<0.3	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois
Lanolin 8006-54-0			X	
Natural Amorphous Graphite 7782-42-5	X	X	X	
Molybdenum disulphide 1317-33-5	X			
Quartz 14808-60-7	X	X	X	

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 2	Flammability 1	Instability 0	Physical and chemical hazards -
<b>HMIS</b>	Health Hazard 2	Flammability 1	Physical Hazard 0	Personal protection X

NFPA (National Fire Protection Association)

HMIS (Hazardous Material Information System)

Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

Revision Date: 2015-10-13  
 Revision Note: \*\*\* Indicates updated section  
 Abbreviations, acronyms

**Legend**

Section 8  
 ACGIH - American Conference of Governmental Industrial Hygienists  
 OSHA - Occupational Safety and Health Administration  
 NIOSH - National Institute for Occupational Safety and Health  
 TLV - Threshold Limit Values  
 PEL - Permissible Exposure Limits  
 IDHL - Immediately Dangerous to Life or Health concentrations  
 TWA - Time Weight Average  
 STEL - Short Term Exposure Limits  
 S\* - Skin notation  
 TSCA - Toxic Substance Control Act

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

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End of the safety data sheet

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