

# Safety Data Sheet

Trade name : **Thread lubricant C100**  
 Part number : **214-231**

Revision date : 08.07.2014  
 Date of print : 19.09.2016  
 Version : 004.0

**1 Identification of the substance/mixture and of the company/undertaking**

**1.1 Product Identifier**

Thread lubricant C100 / known as Heavy Duty Anti-Seize

**1.2 Relevant identified uses of the substance or mixture and uses advised against relevant identified uses (Product categories [PC])**

Product type: Lubricant  
 Restriction of Use: None identified

**1.3 Details of the supplier of the safety data sheet**

Supplier: INFICON AG  
 Street: Alte Landstrasse 6  
 Postal code/city: LI-9496 Balzers  
 Phone: 00423 / 388 3111  
 E-Mail: [reach.liechtenstein@inficon.com](mailto:reach.liechtenstein@inficon.com)

**1.4 Emergency Telephone Number (worldwide)**

Tox Info Suisse +41 44 251 51 51 (24 hours)

**2 Hazards identification**

**Emergency overview**

WARNING:  
 CAUSES SKIN IRRITATION  
 CAUSES SERIOUS EYE IRRITATION

Hazard class	Hazard category
Skin irritation	2
Eye irritation	2A

Pictogram(s)


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### Precautionary Statements

#### Prevention

Wash thoroughly after handling. Wear eye and face protection. Wear protective gloves.

#### Response

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Not prescribed

**Disposal:** Not prescribed

## 3 Composition/information on ingredients

### 3.1 Mixtures

Hazardous Component(s)	CAS Number	Percentage*
Calcium fluoride	7789-75-5	10 – 30
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	10 – 30
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	10 – 30
Graphite	7782-42-5	10 – 30
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	5 – 10
Mineral oil light naphthenic hydrotreat. <3% DMSO	64742-53-6	5 – 10
Calcium dodecylbenzene sulfonate	26264-06-2	1 – 5
Residual oils (petroleum), solvent-refined, <3% DMSO	64742-01-4	0.1 – 1
Octadecanoic acid	57-11-4	0.1 – 1

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

## 4 First aid measures

### 4.1 Description of first aid measures

#### After inhalation

Move to fresh air. If symptoms persist, seek medical advice.

#### In case of skin contact

Wash with soap and water. If symptoms develop and persist, get medical attention.

#### After eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

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### After ingestion

Get medical attention. Aspiration may cause pulmonary edema and pneumonitis. Do not induce vomiting.

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

See section 11.

## 5 Firefighting measures

### 5.1 Extinguishing media

Foam Dry chemical. Carbon dioxide. Water spray or fog.

### 5.2 Special firefighting procedures

None

### 5.3 Unusual fire or explosion hazards

None

### 5.4 Hazardous combustion products

Oxides of carbon

## 6 Accidental release measures

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 6.1 Environmental precautions

Do not allow material to contaminate ground water system.

### 6.2 Methods and material for containment and cleaning up

Scrape up as much material as possible. Clean residue with soap and water. Follow all local, state, federal and provincial regulations for disposal.

## 7 Handling and storage

### 7.1 Handling

Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

### 7.2 Storage

Keep in a cool, well ventilated area.

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<b>8 Exposure controls/personal protection</b>				
<b>Hazardous Component(s)</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>AIHA WEEL</b>	<b>OTHER</b>
Calcium fluoride	2.5 mg/m <sup>3</sup> TWA (as F)	2.5 mg/m <sup>3</sup> PEL (as F) 2.5 mg/m <sup>3</sup> TWA dust	None	None
Distillates (petroleum), solvent-refined heavy paraffinic	5mg/m <sup>3</sup> TWA inhalable fraction. 5 mg/m <sup>3</sup> TWA mist 10 mg/m <sup>3</sup> STEL mist	500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist. 5 mg/m <sup>3</sup> TWA mist	None	None
Distillates (petroleum), solvent-dewaxed heavy paraffinic	None	500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist.	None	None
Graphite	2 mg/m <sup>3</sup> TWA Respirable fraction	5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust. 15 MPPCF TWA	None	None
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m <sup>3</sup> TWA mist 10 mg/m <sup>3</sup> STEL mist	5 mg/m <sup>3</sup> TWA mist 500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist.	None	None
Mineral oil light naphthenic hydrotreat. <3% DMSO	None	500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist.	None	None
Calcium dodecylbenzene sulfonate	None	None	None	None
Residual oils (petroleum), solvent-refined, <3% DMSO	None	None	None	None
Octadecanoic acid	10 mg/m <sup>3</sup> TWA	None	None	None

### Engineering controls

Use only with adequate ventilation. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.

### Respiratory protection

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respirator use (29 CFR 1910.134).

### Eye/face protection

Goggles. Safety glasses with side-shields.

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### Skin protection

Cover as much of the exposed skin area as possible with appropriate clothing.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	paste
Color:	Gray
Odor:	characteristic
Odor threshold:	Not available.
pH:	Not applicable
Vapor pressure:	Not available
Boiling point/range:	550 °F (287.8 °C) None
Melting point/ range:	Not available
Specific gravity:	1.18
Vapor density:	Heavier than air.
Flash point:	> 93 °C (> 199.4 °F)
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Evaporation rate:	Not determined
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
VOC content:	< 3 % Essentially Zero (Exempt Compounds)
Viscosity:	Not available
Decomposition temperature:	Not available

## 10 Stability and reactivity

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Hydrocarbons. Oxides of carbon.
Incompatible materials:	Oxidizing agents.
Reactivity:	Not available.
Conditions to avoid:	None known

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### 11 Toxicological information

#### Relevant routes of exposure

Skin, Eyes

#### Potential Health Effects/Symptoms

- Inhalation:** This product has low volatility and is not expected to cause respiratory tract irritation during normal conditions of use.
- Skin contact:** Causes skin irritation.
- Eye contact:** Causes serious eye irritation.
- Ingestion:** Principal hazard of ingestion is aspiration into the lungs and subsequent pneumonitis.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Calcium fluoride	Oral LD50 (RAT) = 4.250 mg/kg	Teeth, Muscle, Respiratory
Distillates (petroleum), solvent-refined heavy paraffinic	None	Irritant
Distillates (petroleum), solvent-dewaxed heavy paraffinic	None	Irritant
Graphite	None	Lung
Distillates (petroleum), hydrotreated heavy naphthenic	None	Irritant
Mineral oil light naphthenic hydrotreat. <3% DMSO	None	Irritant
Calcium dodecylbenzene sulfonate	None	Eyes, Irritant
Residual oils (petroleum), solvent-refined, <3% DMSO	None	Irritant
Octadecanoic acid	Oral LD50 (RAT) = 4.6 g/kg	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Calcium fluoride	No	No	No
Distillates (petroleum), solvent-refined heavy paraffinic	No	No	No
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No	No	No
Graphite	No	No	No
Distillates (petroleum), hydrotreated heavy naphthenic	No	No	No
Mineral oil light naphthenic hydrotreat. <3% DMSO	No	No	No
Calcium dodecylbenzene sulfonate	No	No	No
Residual oils (petroleum), solvent-refined, <3% DMSO	No	No	No
Octadecanoic acid	No	No	No

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### 12 Ecological information

Not available

### 13 Disposal considerations

Information provided is for unused product only.

#### 13.1 Recommended method of disposal

Follow all local, state, federal and provincial regulations for disposal.

#### 13.2 Hazardous waste number

Not a RCRA hazardous waste

### 14 Transport information

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

#### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated

Hazard class or division: None

Identification number: None

Packing group: None

#### International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated

Hazard class or division: None

Identification number: None

Packing group: None

#### Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated

Hazard class or division: None

Identification number: None

Packing group: None

### 15 Regulatory Information

#### United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

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CERCLA/SARA Section 302 EHS:	None above reporting de minimis
CERCLA/SARA Section 311/312:	Immediate Health
CERCLA/SARA Section 313:	None above reporting de minimis
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

CEPA DSL/NDSL Status:	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
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## 16 Other informations

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

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