



A CSW Industrials Company

# SAFETY DATA SHEET

This SDS conforms to REACH SDS CLP regulation 2015/830.

Issuing Date 10-Nov-2011

Revision Date 06-Oct-2017

Revision Number 2



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## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product Code(s)** 788

**Product Name** Jet-Lube® Korr-Guard™

**Chemical name**

**Synonyms** Korr-Guard™

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

**Recommended Use** Lubricants, Greases and Release Products.

**Uses advised against** No information available.

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

<b>Importer</b>	<b>Manufacturer</b>
Jet-Lube (UK) Ltd	Jet Lube LLC
City Park, Watchmead	930 Whitmore Drive
Welwyn Garden City, Hertfordshire	Rockwall, Texas USA 75087
AL7 1LT	TEL: +1-713-670-5700 (8am-5pm CST)
United Kingdom	

For further information, please contact.

<b>Responsible Persons</b>	Regulatory & Laboratory Team Member(s)
<b>E-mail Address</b>	regulatory@whitmores.com
<b>Non-Emergency Telephone Number</b>	+1-972-771-1000 (USA Office) +1-780-463-7441 (JL Canada) +44-1628-631913 (JL UK Office)

### 1.4. Emergency telephone number

Emergency Telephone Number 44 1628-631913

Emergency telephone \$45 - (EC)1272/2008	
Europe	112



<b>Austria</b>	Poison Information Center (AT): +43-(0)1-406 43 43
<b>Belgium</b>	Poison Center (BE): +32 70 245 245
<b>Denmark</b>	Poison Control Hotline (DK): +45 82 12 12 12
<b>Finland</b>	Poison Information Centre (FI): +358 9 471 977
<b>France</b>	ORFILA (FR): + 01 45 42 59 59
<b>Germany</b>	Poison Center Berlin (DE): +49 030 30686 790 (24 h service, Advice in German and English)
<b>Ireland</b>	National Poisons Information Centre (IE): +353 1 8379964
<b>Italy</b>	Poison Center, Milan (IT): +39 02 6610 1029
<b>Netherlands</b>	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
<b>Norway</b>	Poisons Information (NO): + 47 22 591300
<b>Poland</b>	Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54; +48 22 619 08 97
<b>Portugal</b>	Poison Information Center (PT): +351 21 330 3284
<b>Spain</b>	Poison Information Service (ES): +34 91 562 04 20
<b>Sweden</b>	Poisons Information Center (SV): +46 8 33 12 31
<b>Switzerland</b>	Poison Center (CH): Tel 145: +41 44 251 51 51
<b>United Kingdom</b>	NHS Direct (UK): +44 0845 46 47

## Section 2: Hazards Identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Serious eye damage/eye irritation

Category 2B - (H320)

### 2.2. Label elements



**Signal word**

**Warning**

#### Hazard Statements

H320 - Causes eye irritation

#### Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

P201 - Obtain special instructions before use

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

**2.3. Other hazards**

No information available

**Section 3: Composition/Information****3.1 Substances**

Not applicable.

**3.2 Mixtures**

Chemical Name	EC No	CAS-No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No.
Hydrotreated Heavy Naphthenic Oil	265-155-0	64742-52-5	80-85	Not classified	01-2119467170-45
Limestone	215-279-6	1317-65-3	5-10	No data available	EXEMPT Article 2 (7)(B)
Calcium carbonate	207-439-9	471-34-1	5-10	No data available	EXEMPT Article 2 (7)(B)
Calcium dodecylbenzene sulfonate	247-557-8	26264-06-2	5-10	No data available	No data available
Calcium sulfate dihydrate	-	10101-41-4	<2	No data available	No data available
Calcium sulfate	231-900-3	7778-18-9	<2	No data available	01-2119444918-26-XXXX
Residual oils (petroleum), hydrotreated	265-160-8	64742-57-0	<1	No data available	01-2119489287-22

**Full text of H- and EUH-phrases: see section 16****Note**

The producer of "64742-52-5 64742-57-0" declares that it contains less than 3% DMSO extractable material by IP-346. The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in Annex I

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**Section 4: First aid measures****4.1. Description of first aid measures**

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything

by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

**Symptoms** Burning sensation.

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

**Note to physicians** Treat symptomatically.

### **Section 5: FIRE FIGHTING MEASURES**

#### **5.1. Extinguishing media**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

#### **5.2. Special hazards arising from the substance or mixture**

##### **Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

##### **Hazardous Combustion Products**

Carbon oxides.

#### **5.3. Advice for firefighters**

##### **Special protective equipment for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### **Section 6: Accidental release measures**

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

**7.1. Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**General Hygiene Considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

**7.3. Specific end use(s)**

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

## Section 8: Exposure control/personal protection equipment

**8.1. Control parameters****Exposure Limits**

Chemical Name	EU	United Kingdom	France	Spain	Germany
Limestone 1317-65-3	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>	-	-	-
Calcium carbonate 471-34-1	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	-
Calcium sulfate dihydrate 10101-41-4	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-
Calcium sulfate 7778-18-9	-	-	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 6 mg/m <sup>3</sup>
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Calcium carbonate 471-34-1	-	TWA: 10 mg/m <sup>3</sup>	-	-	-
Calcium sulfate dihydrate 10101-41-4	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	-	-
Calcium sulfate 7778-18-9	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	-	-
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland

Limestone 1317-65-3	-	-	-	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>
Calcium carbonate 471-34-1	-	TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>
Calcium sulfate dihydrate 10101-41-4	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA: 10.0 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup>
Calcium sulfate 7778-18-9	STEL: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	-	-	TWA: 10 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>
<b>Chemical name</b>	<b>Romania</b>	<b>Ukraine TLVs</b>	<b>Sweden TLVs</b>	<b>Hungary</b>	<b>Turkey TLVs</b>
Limestone 1317-65-3	TWA: 10 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>	
Calcium carbonate 471-34-1	TWA: 10 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>	
Calcium sulfate dihydrate 10101-41-4	TWA: 10 mg/m <sup>3</sup>			TWA: 6 mg/m <sup>3</sup>	
Calcium sulfate 7778-18-9				TWA: 6 mg/m <sup>3</sup>	

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

## 8.2. Exposure controls

### Personal protective equipment

- Eye/face protection** Tight sealing safety goggles.
- Hand Protection** Wear suitable gloves. Impervious gloves. Protective gloves. Nitrile rubber.
- Skin and body protection** Wear suitable protective clothing.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

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

**Physical state** Paste / Gel  
**Appearance** Light color Green  
**Odor** Petroleum  
**Color** No information available  
**Odor Threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	7		
Melting / freezing point	200 °C	None known	
Boiling point / boiling range	260 °C		
Flash Point			

	> 221 °C	
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.95	
Water Solubility	No data available	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	Not Available	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Viscosity	No data available	None known

### 9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	Negligible
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

## Section 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### 10.3. Possibility of hazardous reactions

**Possibility of Hazardous Reactions**      None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents.

### 10.6. Hazardous decomposition products



Carbon oxides.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

##### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. May cause irritation. Causes mild skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Information on toxicological effects

**Symptoms** Redness. Burning. May cause blindness.

#### Numerical measures of toxicity

##### Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 17,423.00 mg/kg

##### Unknown acute toxicity

- 111.84 % of the mixture consists of ingredient(s) of unknown toxicity
- 100.75 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 111.84 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 111.84 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 111.84 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 111.84 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

##### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
Hydrotreated Heavy Naphthenic Oil	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	
Calcium carbonate	= 6450 mg/kg ( Rat )		
Calcium dodecylbenzene sulfonate	1086 - 1980 mg/kg ( Rat ) = 4 g/kg ( Rat )		
Calcium sulfate	> 3000 mg/kg ( Rat )		
Residual oils (petroleum), hydrotreated	22 g/kg (Mouse) mineral oil mist		

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





<b>Skin corrosion/irritation</b>	May cause skin irritation.
<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Irritating to eyes.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Classification based on data available for ingredients.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Hydrotreated Heavy Naphthenic Oil		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)	-	EC50 48 h: > 1000 mg/L (Daphnia magna)
Calcium dodecylbenzene sulfonate		96h LC50: = 10.8 mg/L (Oncorhynchus mykiss)	-	
Calcium sulfate		96h LC50: > 1970 mg/L (Pimephales promelas) 96h LC50: = 2980 mg/L (Lepomis macrochirus)	-	120h EC50: = 3200 mg/L

### 12.2. Persistence and degradability

**Persistence and Degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** No information available.

Chemical Name	Log Pow

Hydrotreated Heavy Naphthenic Oil	>6
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**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** No information available.

Chemical Name	PBT and vPvB assessment
Hydrotreated Heavy Naphthenic Oil	The substance is not PBT / vPvB
Calcium carbonate	The substance is not PBT / vPvB PBT assessment does not apply
Calcium dodecylbenzene sulfonate	The substance is not PBT / vPvB
Calcium sulfate	The substance is not PBT / vPvB PBT assessment does not apply
Residual oils (petroleum), hydrotreated	The substance is not PBT / vPvB

**12.6. Other adverse effects**

**Other adverse effects** No information available.

## Section 13: Disposal considerations

**13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** No information available.

## Section 14: Transport information

<b>IMDG</b>	Not regulated
<b>14.1 UN Number</b>	Not regulated
<b>14.2 Proper Shipping Name</b>	NOT REGULATED
<b>14.3 Hazard Class (select)</b>	Not regulated
<b>14.4 Packing Group (select)</b>	Not regulated
<b>14.5 Marine Pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	No information available

<b>RID</b>	NOT REGULATED
<b>14.1 UN-No.</b>	NOT REGULATED
<b>14.2 Proper Shipping Name</b>	NOT REGULATED
<b>14.3 Hazard Class</b>	NOT REGULATED
<b>14.4 Packing Group</b>	NOT REGULATED
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

<b>ADR</b>	NOT REGULATED
<b>14.1 UN-No.</b>	NOT REGULATED
<b>14.2 Proper Shipping Name</b>	NOT REGULATED
<b>14.3 Hazard Class</b>	NOT REGULATED
<b>14.4 Packing Group</b>	NOT REGULATED
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

<b>IATA</b>	Not regulated
<b>14.1 UN Number</b>	Not regulated
<b>14.2 Proper Shipping Name</b>	NON REGULATED
<b>14.3 Hazard Class (select)</b>	Not regulated
<b>14.4 Packing Group (select)</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

## Section 15: Regulatory information

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### Authorizations and/or restrictions on use:

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

#### Persistent Organic Pollutants

Not applicable.

#### Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical Name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Hydrotreated Heavy Naphthenic Oil - 64742-52-5	2500	25000

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable.

#### International Inventories

<b>TSCA</b>	Contact supplier for inventory compliance status.
<b>DSL/NDSL</b>	Complies.
<b>EINECS/ELINCS</b>	Complies.
<b>ENCS</b>	Complies.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Complies.
<b>PICCS</b>	Not determined.
<b>AICS</b>	Complies.



**Legend****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**15.2. Chemical safety assessment**

No information available.

**Section 16: Other Information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under sections 2 and 3**

H320 - Causes eye irritation

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation

**Key literature references and sources for data**[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

**Prepared By** Product Stewardship  
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Latham, NY 12110  
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**Issuing Date** 10-Nov-2011**Revision Date** 06-Oct-2017**Disclaimer**

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End of Safety Data Sheet