

# **SAFETY DATA SHEET**

**Revision Number** 2

A CSW Industrials Company

Issuing Date 11-Oct-2012

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

Revision Date 24-Nov-2017



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

### 1.1. Product identifier

Product Code(s) 471

Product Name 550 ® Extreme ®

Chemical name

Synonyms Jet-Lube 550 ® Extreme ®

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

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

**Uses advised against** No information available.

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

ImporterManufacturerJet-Lube (UK) LtdJet Lube, LLCJet-Lube House930 Whitmore Drive

Reform Road, Maidenhead Rockwall, Texas USA 75087

Berkshire UK TEL: +1-713-670-5700 (8am-5pm CST)

SL6 8BY

TEL: 44 1628-631913 (8:00 a.m. -

5:00p.m. GMT)

### For further information, please contact.

**Responsible Persons** Regulatory Affairs Manager - Thomas Hansen

E-mail Address thomas.hansen@jetlubecanada.com Non-Emergency Telephone +1-780-463-7441 (JL Canada)

Number +44-1628-631913 (JL UK Office) +1-972-771-1000 (USA Office)

### 1.4. Emergency telephone number

**Emergency Telephone Number** 44 1628-631913

Emergency telephone §45 - (EC)1272/2008



Europe	112	
Austria	Poison Information Center (AT): +43-(0)1-406 43 43	
Belgium	Poison Center (BE): +32 70 245 245	
Denmark	Poison Control Hotline (DK): +45 82 12 12 12	
Finland	Poison Information Centre (FI): +358 9 471 977	
France	ORFILA (FR): + 01 45 42 59 59	
Germany  Poison Center Berlin (DE): +49 030 30686 790 (24 h service, Advice in and English)		
Ireland	National Poisons Information Centre (IE): +353 1 8379964	
Italy	Poison Center, Milan (IT): +39 02 6610 1029	
Netherlands	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)	
Norway	Poisons Information (NO): + 47 22 591300	
Poland	Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54; +48 22 619 08 97	
Portugal	Poison Information Center (PT): +351 21 330 3284	
Spain	Poison Information Service (ES): +34 91 562 04 20	
Sweden	Poisons Information Center (SV): +46 8 33 12 31	
Switzerland	Poison Center (CH): Tel 145: +41 44 251 51 51	
United Kingdom	NHS Direct (UK): +44 0845 46 47	

# **Section 2: HAZARDS IDENTIFICATION**

# 2.1. Classification of the substance or mixture

### Regulation (EC) No 1272/2008

-g		
Chronic aquatic toxicity	Category 2 - (H411)	

### 2.2. Label elements



Signal word Warning

# **Hazard Statements**

H411 - Toxic to aquatic life with long lasting effects

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

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



Page 2/13

# **Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1 Substances

Not applicable.

### 3.2 Mixtures

Chemical name	EC No	CAS-No	Percent	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Reg. No.
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	278-011-7	74869-21-9	65-70	No data available	No data available
Zinc oxide	215-222-5	1314-13-2	10-15	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Limestone	215-279-6	1317-65-3	5-10	No data available	No data available
Graphite	231-955-3	7782-42-5	5-10	No data available	01-2119486977- 12-XXXX
Molybdenum (IV) sulfide	215-263-9	1317-33-5	1-5	No data available	N/A

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

### Note

The producer of "74869-21-9" 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 >=0.1% (Regulation (EC)

No. 1907/2006 (REACH), Article 59)

Chemical name	CAS-No	SVHC candidates
Lubricating greases A complex	74869-21-9	-
combination of hydrocarbons		
having carbon numbers		
predominantly in the range of C12		
through C50. may contain organic		
salts of alkali metals, alkaline earth		
metals, etc.		
Zinc oxide	1314-13-2	-
Graphite	7782-42-5	-
Limestone	1317-65-3	-
Molybdenum (IV) sulfide	1317-33-5	-
Polyisobutylenes	9002-29-6	-

# Section 4: First aid measures

### 4.1. Description of first aid measures



Page 3/13

**General advice** IF exposed or concerned: Get medical advice/attention.

**Inhalation** Remove to fresh air.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions

see a physician.

**Eye contact**Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and

upper eyelids. Consult a physician.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** No information available.

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

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** Ensure adequate ventilation.

**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



**471** - **550** ® Extreme ® Revision Date 24-Nov-2017

**Environmental precautions** Should not be released into the environment. See Section 12 for additional

Ecological Information.

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.

General Hygiene Considerations 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 container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

**Risk Management Methods** 

(RMM)

The information required is contained in this Material Safety Data Sheet.

# Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

### **Exposure Limits**

Chemical name	EU	United Kingdom	France	Spain	Germany
Zinc oxide	-	-	TWA: 5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	-
1314-13-2			TWA: 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>	
Limestone	-	TWA: 10 mg/m <sup>3</sup>	-	-	=
1317-65-3		TWA: 4 mg/m <sup>3</sup>			
		STEL: 30 mg/m <sup>3</sup>			
		STEL: 12 mg/m <sup>3</sup>			
Graphite	-	STEL: 30 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	-
7782-42-5		STEL: 12 mg/m <sup>3</sup>		-	
		TWA: 10 mg/m <sup>3</sup>			
		TWA: 4 mg/m <sup>3</sup>			
Molybdenum (IV)	-	STEL: 20 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>	-
sulfide		TWA: 10 mg/m <sup>3</sup>		TWA: 3 mg/m <sup>3</sup>	
1317-33-5		_			
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Zinc oxide	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	-	TWA: 2 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>
1314-13-2	STEL: 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>		STEL: 10 mg/m <sup>3</sup>	



Graphite 7782-42-5	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	-	TWA: 2 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>
Molybdenum (IV)	-	TWA: 10 mg/m <sup>3</sup>	-	-	TWA: 10 mg/m <sup>3</sup>
sulfide		TWA: 3 mg/m <sup>3</sup>			
1317-33-5					
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Zinc oxide	TWA: 5 mg/m <sup>3</sup>	STEL: 3 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
1314-13-2		TWA: 3 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>
Limestone	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
1317-65-3					TWA: 4 mg/m <sup>3</sup>
					STEL: 30 mg/m <sup>3</sup>
					STEL: 12 mg/m <sup>3</sup>
Graphite	STEL 10 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	TWA: 4.0 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
7782-42-5	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 1.0 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>
			TWA: 6.0 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	STEL: 30 mg/m <sup>3</sup>
				TWA: 4 mg/m <sup>3</sup>	STEL: 12 mg/m <sup>3</sup>
				STEL: 10 mg/m <sup>3</sup>	
				STEL: 4 mg/m <sup>3</sup>	
				STEL: 15 mg/m <sup>3</sup>	
				STEL: 8 mg/m <sup>3</sup>	
Molybdenum (IV)	STEL 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>
sulfide	TWA: 10 mg/m <sup>3</sup>		TWA: 4 mg/m <sup>3</sup>	STEL: 15 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>
1317-33-5	_		_		STEL: 9 mg/m <sup>3</sup>
					STEL: 1.5 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. Nitrile rubber. Neoprene gloves. Rubber gloves.

**Skin and body protection** Wear suitable protective clothing. Lightweight 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 Liquid

Appearance Dark gray/black Odor Petroleum

ColorNo information availableOdor ThresholdNo information available

Property Values Remarks Method

1



None known

None known

None known

Melting / freezing point 260 °C
Boiling point / boiling range 316 °C

Boiling point / boiling range  $316 \, ^{\circ}\text{C}$ Flash Point  $> 221 \, ^{\circ}\text{C}$ 

Evaporation RateNo data availableNone knownFlammability (solid, gas)No data availableNone knownFlammability Limit in AirNone known

Upper flammability limit

No data available

Lower flammability limit

No data available

Vapor pressureNo data availableNone knownVapor densityNo data availableNone known

Relative density 1.22

Water Solubility Insoluble in water Solubility(ies) No data available

Partition coefficient: n-octanol/waterNot AvailableAutoignition temperatureNo data availableNone knownDecomposition temperatureNo data availableNone knownKinematic viscosityNo data availableNone known

No data available

9.2. Other information

**Viscosity** 

Softening Point No information available Molecular Weight No information available

VOC Content (%) None

Liquid DensityNo information availableBulk DensityNo information availableParticle SizeNo information availableParticle Size DistributionNo 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

No information available.



### 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**

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available.

# Information on toxicological effects

**Symptoms** No information available.

### **Numerical measures of toxicity**

### **Acute Toxicity**

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

**ATEmix (oral)** 2,287.00 mg/kg

# Unknown acute toxicity

99.8 % of the mixture consists of ingredient(s) of unknown toxicity

34.3 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

99.8 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

99.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

99.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

99.8 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Lubricating greases A complex combination of	= 2280 mg/kg (Rat)	-	-
hydrocarbons having carbon numbers predominantly in the range of C12 through			
C50. may contain organic			
salts of alkali metals, alkaline earth metals, etc.			
Zinc oxide	> 5000 mg/kg (Rat)	-	-
Molybdenum (IV) sulfide	-	-	> 2820 mg/m <sup>3</sup> (Rat) 4 h

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

**Skin corrosion/irritation** No information available.



Serious eye damage/eye

irritation

No information available.

Respiratory or skin sensitization No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive Toxicity** No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

**Aspiration hazard** No information available.

# **Section 12: Ecological information**

# 12.1. Toxicity

**Ecotoxicity** Toxic to aquatic life with long lasting effects. .

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc.	>1001 mg/l	96h LC50: > 2000 mg/L (Salmo gairdneri)	-	-
Zinc oxide	Selenastrum capricornutum 72-hour EC50: 0.14 mg/l	Oncorhynchus mykiss 96-hour LC50: 0.14 mg/l	-	Daphnia magna 48-hour EC50: 0.07 mg/l

# 12.2. Persistence and degradability

Persistence and Degradability No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** No information available.



### 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
Zinc oxide	The substance is not PBT / vPvB PBT assessment does
	not apply
Graphite	The substance is not PBT / vPvB PBT assessment does
	not apply

### 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**

IMDG/IMO

**14.1 UN-No.** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.

**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s.(Zinc oxide), 9,

III, Marine Pollutant

14.3 Hazard Class 9
14.4 Packing Group III

**14.5 Marine Pollutant** Product is a marine pollutant according to the criteria set by IMDG/IMO

**14.6 Special Provisions** None **EmS-No.** F-A, S-F

**14.7 Transport in bulk**No information available

according to Annex II of MARPOL and the IBC Code

RID

**14.1 UN-No.** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.

**Description** UN3082 Environmentally hazardous substance, liquid, n.o.s.(Zinc oxide),9,III

**14.3 Hazard Class** 9 **14.4 Packing Group** III

**14.5 Environmental hazard** Not applicable

14.6 Special Provisions None



Classification code M6

ADR

**14.1 UN-No.** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.

**Description**UN3082 Environmentally hazardous substance, liquid, n.o.s.(Zinc oxide), 9, III(E)

**14.3 Hazard Class** 9 **14.4 Packing Group** III

14.5 Environmental hazard Not applicable

14.6 Special Provisions None Classification code M6 Tunnel restriction code (E)

<u>IATA</u>

**14.1 UN-No.** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s.

**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s.(Zinc oxide), 9, III

**14.3 Hazard Class** 9 **14.4 Packing Group** III

**14.5 Environmental hazard** Not applicable

14.6 Special Provisions None

# **Section 15: Regulatory information**

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

### National regulations

#### **France**

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Graphite	RG 16	-
7782-42-5	RG 25	

#### **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 contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Lubricating greases A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. may contain organic salts of alkali metals, alkaline earth metals, etc 74869-21-9	Use restricted. See item 28.	

# **Persistent Organic Pollutants**

Not applicable.



### Dangerous substance category per Seveso Directive (2012/18/EU)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

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

Not applicable.

**International Inventories** 

**TSCA** Contact supplier for inventory compliance status.

DSL/NDSL Complies.
EINECS/ELINCS Complies.
ENCS Not determined.

**IECSC** Contact supplier for inventory compliance status.

KECL Not determined.
PICCS Not determined.
AICS 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

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

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/

Issuing Date 11-Oct-2012



Revision Date 24-Nov-2017

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.

#### **Disclaimer**

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**End of Safety Data Sheet** 



Page 13/13