



A CSW Industrials Company

# SAFETY DATA SHEET

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

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Revision Number 5



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

### 1.1. Product identifier

**Product Code(s)** 125  
**(M)SDS Number** WPS-JLI-040NA  
**Product Name** SS-30™  
**Chemical name**  
**Synonyms** JET-LUBE® SS-30™; THOMAS & BETTS KOPR-SHIELD®  
Copper

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

For further information, please contact.

**Responsible Persons** Regulatory & Laboratory Team Member(s)  
**E-mail Address** regulatory@whitmores.com  
**Non-Emergency Telephone Number** +44-1628-631913 (JL UK Office)  
+1-780-463-7441 (JL Canada)

### 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 German 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

Skin corrosion/irritation	Category 3 - (H316)
Serious eye damage/eye irritation	Category 2B - (H320)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

### 2.2. Label elements

Copper



Signal word

Warning

#### Hazard Statements

H316 - Causes mild skin irritation

H320 - Causes eye irritation

H410 - Very toxic to aquatic life with long lasting effects

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

P321 - Specific treatment (see supplemental first aid instructions on this label)  
 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.
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	65-70	No data available	No data available
Copper (flake)	231-159-6	7440-50-8	25-30	Eye Irrit. 2 (H319)	01-2119480154-42

**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  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## **Section 4: First aid measures**

### **4.1. Description of first aid measures**

<b>General advice</b>	IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.
<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>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and

easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

**Ingestion** Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. 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** Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.

**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. Take off contaminated clothing and wash before reuse.

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

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

**Storage Conditions** Keep containers tightly closed in a dry, cool 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 control/personal protection equipment

#### 8.1. Control parameters

##### Exposure Limits

Chemical Name	EU	United Kingdom	France	Spain	Germany
Copper (flake) 7440-50-8	-	TWA: 1 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup> STEL: 0.6 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Copper (flake) 7440-50-8	TWA: 0.2 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>	TWA: 1.0 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Copper (flake) 7440-50-8	STEL: 4 mg/m <sup>3</sup> STEL: 0.4 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>	STEL: 0.2 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 0.1 mg/m <sup>3</sup> STEL: 1 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 0.6 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>
Chemical name	Romania	Ukraine TLVs	Sweden TLVs	Hungary	Turkey TLVs
Copper (flake) 7440-50-8	TWA: 0.50 mg/m <sup>3</sup> STEL: 0.20 mg/m <sup>3</sup> STEL: 1.50 mg/m <sup>3</sup>		LLV: 1 mg/m <sup>3</sup> LLV: 0.2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> STEL: 4 mg/m <sup>3</sup> STEL: 0.4 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

<b>Eye/face protection</b>	If splashes are likely to occur, wear safety glasses with side-shields. None required for consumer use.
<b>Hand Protection</b>	Wear suitable gloves. Impervious gloves. Nitrile rubber. Neoprene gloves. Rubber gloves.
<b>Skin and body protection</b>	Wear suitable protective clothing. Long sleeved clothing.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

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

<b>Physical state</b>	Paste / Gel
<b>Appearance</b>	Copper
<b>Odor</b>	Petroleum
<b>Color</b>	No information available
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	7	
Melting / freezing point	No data available	None known
Boiling point / boiling range	315 °C	
Flash Point	> 310 °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	1.20	
Water Solubility	Insoluble in water	
Solubility(ies)	Soluble	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

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content (%)</b>	No information available

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. Not an expected route of exposure.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). May cause redness, itching, and pain. Causes eye irritation.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components). May cause irritation. Prolonged contact may cause redness and irritation.

**Ingestion**

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. May cause redness and tearing of the eyes.

**Numerical measures of toxicity****Acute Toxicity**

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

**ATEmix (oral)** 2,293.00 mg/kg

**Unknown acute toxicity**

99.6 % of the mixture consists of ingredient(s) of unknown toxicity

29.8 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

99.6 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

99.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

99.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

99.6 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
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.	= 2280 mg/kg ( Rat )		

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

Classification based on data available for ingredients. Irritating to skin.

**Serious eye damage/eye irritation**

Classification based on data available for ingredients. Irritating to eyes.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

See section 2 for classified hazards based on component information.

**Reproductive Toxicity**

No information available.

**STOT - single exposure**

May cause respiratory irritation.

**STOT - repeated exposure**

No information available.



**Aspiration hazard** No information available.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** Very 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)	-	
Copper (flake)	96h EC50: 0.031 - 0.054 mg/L (Pseudokirchneriella subcapitata) 72h EC50: 0.0426 - 0.0535 mg/L (Pseudokirchneriella subcapitata)	96h LC50: = 0.052 mg/L (Oncorhynchus mykiss) 96h LC50: < 0.3 mg/L (Pimephales promelas) 96h LC50: 0.0068 - 0.0156 mg/L (Pimephales promelas) 96h LC50: = 0.2 mg/L (Pimephales promelas) 96h LC50: = 0.3 mg/L (Cyprinus carpio) 96h LC50: = 0.112 mg/L (Poecilia reticulata) 96h LC50: = 0.8 mg/L (Cyprinus carpio) 96h LC50: = 1.25 mg/L (Lepomis macrochirus)	-	48h EC50: = 0.03 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
Copper (flake)	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**

**14.1 UN Number** UN3082  
**14.2 Proper Shipping Name Description** Environmentally hazardous substance, liquid, n.o.s. UN3082, Environmentally hazardous substance, liquid, n.o.s.(Copper), 9, III, Marine Pollutant  
**14.3 Hazard Class (select)** 9  
**14.4 Packing Group (select)** III  
**14.5 Marine Pollutant** This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO Product is a marine pollutant according to the criteria set by IMDG/IMO  
**Environmental hazard** Yes  
**14.6 Special Provisions EmS-No.** None F-A, S-F  
**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code** No information available

**RID**

**14.1 UN-No.** UN3082  
**14.2 Proper Shipping Name Description** Environmentally hazardous substance, liquid, n.o.s. UN3082 Environmentally hazardous substance, liquid, n.o.s.(Copper), 9, III  
**14.3 Hazard Class ADR/RID-Labels** 9  
**14.4 Packing Group** III  
**14.5 Environmental hazard** Yes  
**14.6 Special Provisions Classification code** None M6

**ADR**

**14.1 UN-No.** UN3082

<b>14.2 Proper Shipping Name Description</b>	Environmentally hazardous substance, liquid, n.o.s. UN3082 Environmentally hazardous substance, liquid, n.o.s.(Copper), 9, III(E)
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Provisions</b>	None 274, 335, 601, 375
<b>Classification code</b>	M6
<b>Tunnel restriction code</b>	(E)

**IATA**

<b>14.1 UN Number</b>	UN3082
<b>14.2 Proper Shipping Name Description</b>	Environmentally hazardous substance, liquid, n.o.s. UN3082, Environmentally hazardous substance, liquid, n.o.s.(Copper), 9, III
<b>14.3 Hazard Class (select)</b>	9
<b>14.4 Packing Group (select)</b>	III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special Provisions</b>	None

**ERG Code** 9L

### 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
Copper (flake) 7440-50-8	RG 5, RG 14, RG 15, RG 15bis, RG 20bis	-

##### 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).

##### Persistent Organic Pollutants

Not applicable.

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

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic

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

Not applicable.

##### International Inventories

**TSCA** Complies.



<b>DSL/NDSL</b>	Complies.
<b>EINECS/ELINCS</b>	Complies.
<b>ENCS</b>	Contact supplier for inventory compliance status.
<b>IECSC</b>	Contact supplier for inventory compliance status.
<b>KECL</b>	Contact supplier for inventory compliance status.
<b>PICCS</b>	Contact supplier for inventory compliance status.
<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**

H316 - Causes mild skin irritation

H320 - Causes eye irritation

H400 - Very toxic to aquatic life

H410 - Very 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/](http://www.ChemADVISOR.com/)

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**Disclaimer**

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End of Safety Data Sheet