



SAFETY DATA SHEET

Issuing Date 20-Nov-2015

Revision Date 20-Nov-2015

Revision Number 0

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name JET-LUBE® STERILINE™

Synonyms STERILINE™

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

Recommended Use Detergents, cleaners; Water treatment chemical

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer

Jet-Lube (UK) Ltd
Jet-Lube House
Reform Road
Maidenhead
Berkshire UK
SL6 8BY
TEL: 44 1628-631913 (8:00 a.m. - 5:00 p.m.)

Company

Jet-Lube, Inc.
4849 Homestead Rd.
Suite 232
Houston, Texas 77028
TEL: 713-670-5700 (7:00 a.m. - 5 p.m.)

For further information, please contact

E-mail Address doldiges@jetlube.com

1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute Oral Toxicity	Category 4
Acute Inhalation Toxicity - Dusts and Mists	Category 4
Serious Eye Damage/Eye Irritation	Category 2
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Acute Aquatic Toxicity	Category 1
Chronic Aquatic Toxicity	Category 1

Physical Hazards

None

2.2. Label Elements

**Signal Word****Warning****Hazard Statements**

H302 - Harmful if swallowed
 H319 - Causes serious eye irritation
 H332 - Harmful if inhaled
 H335 - May cause respiratory irritation
 H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements

P270 - Do not eat, drink or smoke when using this product
 P280 - Wear protective gloves/ protective clothing/ 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
 P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
 P273 - Avoid release to the environment
 P391 - Collect spillage

2.3. Other information

Section 3. Composition/information on ingredients

3.1. Substances**3.2. Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Sodium dichloroisocyanurate dihydrate	-	51580-86-0	60-100	Acute Tox. 4 (H302) (EUH031) Ox. Sol. 2 (H272) STOT SE 3 (H335) Eye Irrit. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures**General Advice**

Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact

Wash skin with soap and water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Ingestion	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Protection of First-aiders	Use personal protective equipment.

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

Most Important Symptoms/Effects Eye irritation/reactions.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician 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.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Avoid inhalation of dust.

6.2. Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

6.3. Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Dispose of promptly. Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid breathing dust. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage

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

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection**8.1. Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment**Eye Protection**

Safety glasses with side-shields.

Skin and Body Protection

Impervious clothing.

Hand Protection

Protective gloves.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental Exposure Controls

Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical State	Solid (powder), Solid (compressed)	Appearance	White to off-white
Odor	Mild		

Property	Values	Remarks/ - Method
pH	6.0 - 6.5 (as 1% solution) @ 77°F (25°C)	None known
Melting Point/Range	240-250 °C / 464-480 °F	None known
Boiling Point/Boiling Range	Not applicable	None known
Flash Point	150 - 225 °C	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	0.94 - 1.0	None known

Water Solubility	28 grams in 100 grams water or 2.3 lbs/gallon of water @ 77° F (25°C)	None known
Solubility in other solvents	Minimally soluble	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

9.2. Other information

VOC Content (%)	No information available
Flammability Limits in Air	No data available

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Dust formation. Incompatible products.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Chlorine. Nitrogen. Nitrogen trichloride (violently explosive). Cyanogen chloride. Carbon oxides. Phosgene.

Section 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Inhalation

Harmful if inhaled. May cause irritation of respiratory tract.

Eye Contact

Causes serious eye irritation.

Skin Contact

May be harmful in contact with skin.

Ingestion

Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium dichloroisocyanurate dihydrate	= 735 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 50 mg/L (Rat) 1 h

Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenic Effects	No information available.

Reproductive Toxicity	No information available.
Developmental 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 Effects

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium dichloroisocyanurate dihydrate		LC50 96 h: 0.25 - 1 mg/L static (Lepomis macrochirus) LC50 96 h: 0.207 - 0.389 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 0.176 - 0.267 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: = 0.29 mg/L (Oncorhynchus mykiss) LC50 96 h: 0.13 - 0.36 mg/L static (Oncorhynchus mykiss)		EC50 48 h: 0.00018 - 0.00021 mg/L (Daphnia magna) EC50 48 h: 0.093 - 0.16 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Sodium dichloroisocyanurate dihydrate	Group III Chemical		

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

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

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information
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IMDG/IMO

14.1. UN-Number	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, III
14.5. Marine Pollutant	None.
Environmental hazard	yes
14.6. Special Provisions	None.
EmS No.	F-A, S-F
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	M7

ADR

14.1. UN-Number	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, III, (E)
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	M7
Tunnel Restriction Code	(E)

ICAO

14.1. UN-Number	UN3077
14.2. Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.

IATA

14.1. UN-Number	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (Sodium dichloroisocyanurate dihydrate), 9, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
ERG Code	9L

Section 15. Regulatory information

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

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H272 - May intensify fire; oxidizer

H335 - May cause respiratory irritation

H319 - Causes serious eye irritation

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H332 - Harmful if inhaled

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date 20-Nov-2015

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Revision Note Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet