



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

HD System Cleaner



EXOL LUBRICANTS LIMITED

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HD System Cleaner

Product Code: S031

SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1 Product Identifier	HD System Cleaner
Product Code	S031
1.2 Relevant identified uses of the substance or mixture and uses advised against	Sterilising fluid for metalworking applications Do not use in any other application.
1.3 Company	Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS
1.4 Emergency Telephone Number	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5 Other Information	Preparation Date: 24/03/2015

SECTION 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

CLP Classification:

Eye Irritant, Hazard Category 2; H319
Skin, Sensitisation, Hazard Category 1: H317
Skin Irritant, Hazard Category 2; H315

See section 16 for full text of H and R phrases

Not classified as dangerous for the Environment

Classification to DPD (1999/45/EC) and CHIP

Xi; R36/38; Irritating to eyes and skin
Sens.; R43; May cause sensitisation by skin contact
Labelling in accordance with CLP

2.2 Label Elements



WARNING

H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H315 Causes skin irritation

P264 Wash thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection
P302+P352+P362 If on skin: wash with plenty of soap and water and take off contaminated clothing and wash before reuse.

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes; remove contact lenses if present and easy to do. Continue rinsing.

Labelling in accordance with CHIP



R36/38: Irritating to eyes and skin
R43: May cause sensitisation by skin contact

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27/28: After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of water.

S36/39: Wear suitable protective clothing and eye/face protection.



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2.3 Other Hazards

PBT: This substance is not identified as a PBT substance.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Ingredients	CAS No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
2,2 – Butoxyethoxy Ethanol	112-34-5	Not Available	Eye Irrit. 2; H319	Xi; R36/38	1-10
Rape Oil, Reaction product with 2'2 Iminodiethanol Biocide MF	68187-80-4	Not Available	-	Xi; R36/38	1-10
	5625-90-1	Not Available	-	Xn ; R22 Xi; R36/38	1-10
1,3,5-Tris(2-hydroxyethyl) hexahydro-1,3,5-triazine Fungicide	4719-04-4	Not Available	Acute Tox. 4 ; H302 Skin Sens. 1; H317	Xn; R22 Sens.; R43	1-10
	3811-73-2	Not Available	-	Xn; R20/21/22 Xi; R36/38 N; R50	<1

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eyes Wash eye thoroughly with copious quantities of water for 15 minutes ensuring eyelids are held open. Seek medical attention if eye irritation develops or persists.

Skin Wash skin thoroughly with soap and water.

Ingestion Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. See medical attention.

Inhalation Remove exposed person to fresh air if adverse effects are observed.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact: There may be irritation at the site of contact.

Eye Contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Ensure proper ventilation is sought when handling any industrial chemical or lubricant.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Not applicable.

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media Water spray. Carbon dioxide. Alcohol resistant foam.

5.2 Specific hazards arising from the substance or mixture Combustible

5.3 Advice for fire-fighters Wear self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures See Section 8 for protective equipment.

6.2 Environmental precautions Contain spillage using bunding.

6.3 Methods and material for containment and cleaning up Wash the spillage site with large amounts of water.

6.4 Reference to other sections Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities Store in a cool, well-ventilated area.
Suitable packaging: Plastic/metal

7.3 Specific end use(s) No data available



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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters			
Country	Substance	Long Term (8 Hours TWA)	Short Term (15 Mins)
		No data available	No data available
8.2 Exposure controls	Ventilation Procedures: Ensure there is sufficient ventilation of the area. Respiratory Protection: Respiratory protection not required. Hand Protection: Protective gloves. Eye Protection: Use chemical safety glasses or face shield. Skin Protection: Protective clothing.		

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Does not constitute a specification

Typical Values

Grades:		HD System Cleaner
	Units	
Appearance		Clear amber fluid
Odour		Characteristic
Odour Threshold		No data available
pH		9.5 typ
Relative density	kg/m³	1.01 typ
Solubility - water		Soluble
Freezing Point	°C	No data available
Initial boiling point and range	°C	No data available
Flash point (PMCC)	°C	>150
Flammability		Not flammable
Upper/lower flammability or explosive limits		No data available
Vapour pressure	kPa (0.1 mm Hg)	No data available
Partition coefficient n-octanol/water	Log Pow	Not applicable
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm²/s	Non-viscous
Evaporation rate		Not applicable
Vapour density		No data available
Explosive properties		No data available
Oxidising properties		None

9.2 Other Information Not Applicable.

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommended transport or storage conditions.
10.2 Chemical stability	Stable under normal conditions of use
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4 Conditions to avoid	None specified
10.5 Incompatible materials	None specified
10.6 Hazardous decomposition products	None given



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SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity Biocide MF
LD50 Oral (Rat) None specified

1,3,5-Tris(2-hydroxyethyl)hexahydro-1,3,5-triazine

LD50 Oral (Rat) 763 mg/kg

LD50 Skin (Rat) >2 gm/kg

Fungicide
LD50 Oral (Rat) None specified

Corrosivity/Irritation

Effect	Route	Basis
Irritation	Optical, Dermal	Hazardous: calculated
Sensitisation	Dermal	Hazardous: calculated

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and Degradability	Not biodegradable.
12.3 Bioaccumulative Potential	No data available
12.4 Mobility in Soil	No data available
12.5 Results of PBT and vPvB Assessment	This substance is not identified as a PBT substance.
12.6 Other Adverse Effects	None known.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Send to registered waste disposal site using services of a registered waste disposal contractor. **Disposal of packaging:** Dispose of as normal industrial waste. **NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations

14.1 UN Number	-
14.2 UN Proper Shipping Name	-
14.3 Transport Hazard Class	-
14.4 Packing Group	-
14.5 Environmental Hazards	Not classified as an Environmentally hazardous substance/Marine Pollutant
14.6 Special Precautions for User	See section 8 for safe handling
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable to packaged goods

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.
15.2 Chemical Safety Assessment	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16 OTHER INFORMATION

Sixth Issue
Fifth Issue April 2014; Changed to new format.
Fourth Issue dated March 2014: revised due to formulation change



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Third Issue dated May 2012: revised to change Transport information due to Typo error

Second Issue dated October 2011 revised due to formulation change and therefore change to hazard classification and transport classification

First Issue revised to Reach version 2 format

Full text of classification data in sections 2 and 3

Eye Irrit. 2; H319	Serious eye damage/eye irritation, Hazard Category 2; Causes serious eye irritation
Skin Sens. 1; H317	Sensitisation, Skin, Hazard Category 1; May cause an allergic skin reaction
Skin Irrit. 2; H315	Skin corrosion/irritation, Hazard Category 2; Causes skin irritation
Acute Tox. 4; H302	Acute toxicity, oral, Hazard Category 4; Harmful if swallowed
Xi ; R36/38	Irritating to eyes and skin
Sens.; R43	May cause sensitisation by skin contact
Xn ; R22	Harmful if swallowed
Xn; R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
N; R50	Very toxic to aquatic organisms