

Chemico Sales & Overseas Ltd

PRODUCT SAFETY DATA SHEET

DATE: 01.02.2024 ISSUE No. 10 MATERIAL REFERENCE LP PAGE 1/10

1. Identification of the Substance/Preparation & Supplier.

1.1 Product Identifier

Product Name (s): Chemico Lapping Paste
Product Codes: FG0017, FG0018, FG0019, FG0024, FG0026, FG0027, FG0028, FG0029, FG0030, FG0031, FG0032, FG0034, FG0035, FG0041, FG0042, FG0043, FG0044, FG0022 FG0050,FG002251, FG0053

Product Type: Lapping/Grinding Compound
Product Group: End product
Supplier: Chemico Sales & Overseas Ltd, PO Box 12905, Solihull, B93 3AY
Email: admin @chemico.co.uk

Emergency Information: Emergency phone number (Office hours only): 01564 742517
Contact Katheryn Escott or NHS 111/NHS24/NHSDirect tel 111 or call a doctor

1.2. Relevant identified uses of the product and uses advised against

1.2.1 Main use: back lapping of lawn mower and cutter blades.

1.2.2. Uses advised against – no additional information available

2. Hazards Identification.

2.1 Classification of the substance

Classification according to Regulation (EC) 1272/2008 (CLP)

Not classified as Hazardous under CLP regulations.

Adverse physiochemical, human health and environmental effects

Provided handled in accordance with good occupational hygiene and safety practice, to our knowledge this product does not present any particular risk

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

EUH-statements : EUH08 – Contains 1,3,5-TRIS (2-HYDROXYETHYL) HEXAHYDRO-1,3,5-TRIAZINE (4719-04-4).

May produce an allergic reaction.

2.3 Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ as assessed in accordance with REACH Annex XIII. The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%

3. Composition/information on ingredients

3.1 Substances not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5- TRIAZINE	CAS-No.: 4719-04-4 EC-No.: 225-208-0 EC Index-No.: 613-114-00-6	< 1	Acute Tox. 4 (Oral), H302 Acute Tox. 1 (Inhalation), H330 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 1, H372

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5- TRIAZINE	CAS-No.: 4719-04-4 EC-No.: 225-208-0 EC Index-No.: 613-114-00-6	(0.1 ≤ C ≤ 100) Skin Sens. 1, H317

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Section 4 First Aid Measures:

4.1 Description of first aid measures

Eye Contact: Flush with plenty of sterile water for 15 minutes. If irritation persists obtain medical attention.

Skin Contact: Wash off with plenty of water. T

Inhalation: Remove to fresh air. If symptoms persist, seek medical advice.

Ingestion: Wash our mouth with water. Do not induce vomiting without medical advice.

4.2 Important symptoms and effects, acute and delayed

Skin contact: mild irritation may occur at source of contact

Eye contact: irritation and redness may occur

Ingestion: irritation of the throat may occur

Inhalation: no symptoms

4.3 Any immediate medical attention/special treatment

Treat symptomatically

5. Fire Fighting Measures:

5.1 Suitable Extinguishing Media: Suitable extinguishing media for any surrounding fire to be used. Water spray/dry powder/foam

5.2

Special Hazards caused by the material, its products of combustion or flue gases: Not combustible. Toxic fumes may be released

5.3

Fire Fighting Advice

Suitable protective equipment and protective clothing should be used, use self contained breathing apparatus.

6. Accidental Release Measures.

6.1 Personal safety precautions/ protective equipment and emergency procedures:

6.1.1. Non Emergency Personnel - ventilate spillage area

6.1.2 Emergency Responders Wear protective equipment. Keep unprotected persons away. Use protective clothing, For further information refere to section 8 Exposure controls/personal protection.

6.2 Measures for environmental protection: Inform authorities in case of contamination of water or sewage system. Do not allow product to soak or discharge into drains or water courses. Use bunding to contain spills.

6.3 Methods for cleaning/collecting: Mechanically recover the product Collect solids into a labelled container for disposal. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

7. Handling and Safe Storage.

7.1 Handling: Ensure good ventilation of the work station. Wear personal protective equipment.

Avoid contact with skin and eyes. Observe good standards of industrial hygiene do not eat, drink or smoke when using the product. Wash hands after handling the product.

7.2 Information for safe storage: Keep in tightly closed containers in a cool,well ventilated place. Protect from frost.

7.3 End Uses: to be used as a lapping/grinding compound.

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8. Exposure Controls/Personal Protection.

8.1 Control parameters

- 8.1.1. **National occupational exposure and biological limit values:** no additional information available
- 8.1.2. **Recommended monitoring procedures:** no additional information available
- 8.1.3. **Air contaminants formed:** no additional information available
- 8.1.4. **DNEL and PNEC;** no additional information available
- 8.1.5. **Control banding:** no additional information available

8.2 Occupational exposure controls:

- 8.2.1 **Appropriate engineering controls:** ensure good ventilation of work stations
- 8.2.2 **Personal protective equipment symbols:**



- 8.2.2.1. Eye and face protection:

Eye protection: safety glasses

8.2.2.2. Skin protection: skin and body protection – wear suitable protective clothing. Hand protection – wear protective gloves

8.2.2.3. Respiratory protection: if insufficient ventilation wear suitable respiratory equipment

8.2.2.4 Thermal hazards: no additional information available

- 8.2.3. **Environmental exposure controls:** avoid release to the environment

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9. Physical and Chemical Properties.

Colour	:	dark grey.
Odour	:	slight.
Odour threshold	:	Not available
Melting point	:	0 °C
Freezing point	:	Not applicable
Boiling point	:	100 °C
Flammability	:	Non flammable.
Explosive limits	:	Not applicable
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not available
pH	:	10.5
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Solubility	:	soluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	1.33
Relative vapour density at 20°C	:	Not applicable
Particle size	:	Not available

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9.2.1. Information with regard to physical hazard classes: no additional information available

9.2.2. Other safety characteristics: no additional information available

10. Stability and Reactivity

10.1 Reactivity: product is non-reactive under normal condition of use, storage and transport

10.2 Chemical stability: stable under normal conditions

10.3 Hazardous reactions: No dangerous reactions known under normal use, storage or transport conditions.

10.4 Conditions to avoid: None under recommended storage and handling (see section 7)

10.5 Incompatible materials: non additional information available

10.6 Hazardous decomposition products: none known under normal conditions of use and storage.

11. Toxicological Information.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE (4719-04-4)

LD50 oral rat 763 mg/kg

LD50 dermal rat > 2 mg/kg

Skin corrosion/irritation : Not classified
pH: 10.5

1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE (4719-04-4)

pH 10.3 Temp.: 20 °C Concentration: 0,2 vol%

Serious eye damage/irritation : Not classified
pH: 10.5

1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE (4719-04-4)

pH 10.3 Temp.: 20 °C Concentration: 0,2 vol%

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
 STOT-single exposure : Not classified
 STOT-repeated exposure : Not classified

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1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE (4719-04-4)	
LOAEL (oral, rat, 90 days)	285.2 – 338.6 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	> 250 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.3250 (Subchronic Dermal Toxicity 90 Days)
NOAEL (oral, rat, 90 days)	64.1 – 91 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 250 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.3250 (Subchronic Dermal Toxicity 90 Days), Remarks on results: not determinable due to absence of adverse toxic effects
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard :
 not classified

LAPPING COMPOUND WB80	
Viscosity, kinematic	Not applicable

11.2 Information on other hazards: no additional information available

12. Ecological Information.

Ecology – general : product is not considered harmful to aquatic organisms nor to cause long term adverse effects in the environment

Hazardous to the aquatic environment, short-term: not classified

hazardous to the aquatic environment long term (chronic): not classified

Not rapidly degradable

1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE (4719-04-4)	
LC50 – Fish (1)	10 – 100 mg/l
EC50 – crustacea (1)	11.9 mg/l test organisms (species): daphnia magna
EC50 – other aquatic organisms (1)	10 – 100 mg/l

EC50 72h – algae (1)	6.66 mg/l test organisms (species): desmodemus subspicatus (previous scenedesmus subspicatus)
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12.2 Persistence and Degradability: product contains non readily biodegradable compoinents

12.3 Bio-accumulative Potential:

1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE (4719-04-4)	
Partition coefficient n-octanol/water (Log Pow)	-4.67

12.4 Mobility soil: no additional information available

12.5 Results of PBT and vPvB assessment: no additional information available

12.6 Endocrine disrupting properties: no additional information available

12.7 Other adverse effects: no additional information available

13. Disposal Recommendations.

13.1 Waste treatment methods:Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.

Dispose of empty containers in accordance with local and national regulations.

14. Transport Information.

In accordance with ADR/IMDG

ADR

IMDG

	ADR	IMDG
	NOT SUBJECT	
14.1. UN number or ID number		
	UN -	Not applicable
14.2. UN proper shipping nam		
	Not applicable	Not applicable
14.3. Transport hazard class(es)		
	Not applicable	Not applicable
14.4. Packing group		
	Not applicable	Not applicable
14.5. Environmental hazards		
	Dangerous for the environment: No	Not applicable
No supplementary information available		

Special precautions for user

Overland transport: no data available

Transport by sea: not applicable

14.7 Maritime transport in bulk according to IMO instruments: not applicable

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15 Regulatory Information.

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

15.1.1 EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List) contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.1. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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16. Other Information.

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration

Abbreviations and acronyms:	
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

ED	Endocrine disrupting properties
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Full text of H- and EUH-statements:	
Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
EUH208	Contains 1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE(4719-04-4). May produce an allergic reaction.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. The user must satisfy himself that the product is entirely suitable for his purpose. The company shall not be held liable for any damage resulting from handling or from contact with the above product.