SAFETY DATA SHEET

in accordance with 2020/878/EU (REACH, Annex II) 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

Revision date: 22 May 2024 **Date of previous issue:** 4 November 2023 **SDS No.** 181B-23

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

1.1. Product identifier

395 Tapping Lubricant (Bulk)

Unique Formula Identifier (UFI): R32C-J7EF-J82D-UJK9

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

Relevant identified uses: A high-quality petroleum based lubricant specifically designed for Aluminum and other soft metals.

Uses advised against: No information available

Reason why uses advised against: Not applicable

1.3. Details of the supplier of the safety data sheet

Company:
A.W. CHESTERTON COMPANY
860 Salem Street
Groveland, MA 01834-1507, USA
Tel. +1 978-469-6446
(Mon. - Fri. 8:30 - 5:00 PM EST)
SDS requests: www.chesterton.com
E-mail (SDS questions): ProductSDSs@chesterton.com
E-mail: customer.service@chesterton.com

Supplier:
Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,
Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055
EU: Chesterton International GmbH, Am Lenzenfleck 23,
D85737 Ismaning, Germany – Tel. +49-89-996-5460

1.4. Emergency telephone number

24 hours per day, 7 days per week
Call Infotrac: 1-800-535-5053
Outside N. America: +1 352-323-3500 (collect)
NSW Poisons Information Centre (Australia): 13 11 26

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / Safe Work Australia

Aspiration hazard, Category 1, H304
Specific target organ toxicity – single exposure, Category 3, H336
Hazardous to the aquatic environment, Chronic, Category 3, H412

2.1.2. Classification according to 29 CFR 1910.1200 / WHMIS 2015

Flammable liquid, Category 4, H227
Aspiration hazard, Category 1, H304
Skin irritation, Category 3, H316
Specific target organ toxicity – single exposure, Category 3, H336
Hazardous to the aquatic environment, Chronic, Category 3, H412

2.1.3. Additional information

For full text of H-statements: see SECTIONS 2.2 and 16.

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2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP] / Safe Work Australia

Hazard pictograms:

Signal word:	Danger	
Hazard statements:	H304	May be fatal if swallowed and enters airways.
	H336	May cause drowsiness or dizziness.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary statements:	P261	Avoid breathing vapours.
	P273	Avoid release to the environment.
	P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
	P331	Do NOT induce vomiting.
	P312	Call a POISON CENTER or doctor if you feel unwell.
	P403/233	Store in a well-ventilated place. Keep container tightly closed.
Supplemental information:	EUH066	Repeated exposure may cause skin dryness or cracking.

2.2.2. Labelling according to 29 CFR 1910.1200 / WHMIS 2015

Hazard pictograms:

Signal word:	Danger	
Hazard statements:	H227	Combustible liquid.
	H304	May be fatal if swallowed and enters airways.
	H316	Causes mild skin irritation.
	H336	May cause drowsiness or dizziness.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary statements:	P210	Keep away from flames and hot surfaces. – No smoking.
	P233	Keep container tightly closed.
	P261	Avoid breathing vapours.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
	P331	Do NOT induce vomiting.
	P304/340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P312	Call a POISON CENTER or doctor if you feel unwell.
	P332/313	If skin irritation occurs: Get medical advice/attention.
	P403/235	Store in a well-ventilated place. Keep cool.
	P501	Dispose of contents/container to an approved waste disposal plant.
Supplemental information:	None	

2.3. Other hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous Ingredients[1]	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification	SCL, M-factor, ATE
Distillates (petroleum), hydrotreated light	50-60	64742-47-8 265-149-8	NA	Flam. Liq. 4, H227* Asp. Tox. 1, H304 Skin Irrit. 3, H316* STOT SE 3, H336 Aquatic Chronic 3, H412	ATE (oral): > 5,000 mg/kg ATE (dermal): > 2,000 ATE (inhalation, mist): > 5 mg/l

Other ingredients:

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White mineral oil (petroleum)	25-35	8042-47-5 232-455-8	NA	Not classified**	ATE (oral): > 5,000 mg/kg ATE (dermal): > 2,000 ATE (inhalation, mist): > 5 mg/l

*Non-CLP classification.
**Substance with a workplace exposure limit.
For full text of H-statements: see SECTION 16.

[1] Classified according to:
- 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F)
- 1272/2008/EC, GHS, REACH
- WHMIS 2015
- Safe Work Australia

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.

Skin contact: Wash skin with soap and water. Contact physician if irritation persists.

Eye contact: Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

Ingestion: Do not induce vomiting. Contact physician immediately.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. Avoid contact with the product while providing aid to the victim. Avoid breathing vapours. Do not ingest. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. See section 8.2.2 for recommendations on personal protective equipment.

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

Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema. Vapor in high concentrations may irritate the respiratory tract and cause drowsiness, unconsciousness, headache, dizziness and other central nervous system effects. Repeated exposure may cause skin dryness or cracking.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical, foam or water spray.

Unsuitable extinguishing media: Water jets

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon Monoxide, Carbon Dioxide and other toxic fumes.

Other hazards: Container may rupture from gas generation when exposed to intense heat. Vapors are heavier than air and may travel along the ground to a distant ignition source and flash back.

5.3. Advice for firefighters

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

Australian HAZCHEM Emergency Action Code: 2 Z

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8.

6.2. Environmental Precautions

Keep out of sewers, streams and waterways.

6.3. Methods and material for containment and cleaning up

Contain spill to a small area. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

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6.4. Reference to other sections

Refer to section 13 for disposal advice.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ground and bond container and receiving equipment. Vapors are heavier than air and will collect in low areas. Observe good work practice - avoid eating, drinking and smoking in the work area while using any hydrocarbons.

7.2. Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a cool, dry area.

7.3. Specific end use(s)

No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values

Ingredients	OSHA PEL[1]		ACGIH TLV[2]		UK WEL[3]		AUSTRALIA ES[4]	
	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Distillates (petroleum), hydrotreated light	N/A	N/A	179*	1,200*	N/A	N/A	N/A	N/A
Oil mist, mineral	N/A	5	N/A	5	N/A	N/A	N/A	5

* Based on the procedure described in appendix H, "Reciprocal calculation method for Certain Refined Hydrocarbon Solvent Vapor Mixtures" of the ACGIH TLVs® and BEIs®.
[1] United States Occupational Health & Safety Administration permissible exposure limits
[2] American Conference of Governmental Industrial Hygienists threshold limit values
[3] EH40 Workplace exposure limits, Health & Safety Executive
[4] Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

Biological limit values

No biological exposure limits noted for the ingredient(s).

Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:

Workers

Substance	Route of exposure	Potential health effects	DNEL
White mineral oil (petroleum)	Inhalation	Chronic effects, systemic	166.56 mg/m³ (GESTIS)

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006: Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:

Not available

8.2. Exposure controls

8.2.1. Engineering measures

No special requirements. If exposure limits are exceeded, provide adequate ventilation.

8.2.2. Individual protection measures

Respiratory protection: Not normally needed. If exposure limits are exceeded, use a half or full-face respirator with combined dust/organic vapour filter (e.g., EN filter type A-P2).

Protective gloves: Chemical resistant gloves (e.g. Viton*, neoprene, nitrile). *Trademark of The Chemours Company FC, LLC.

Eye and face protection: Safety glasses

Other: None

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8.2.3. Environmental exposure controls

Refer to sections 6 and 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	low viscosity liquid	**pH**	not applicable
Colour	clear yellow	**Kinematic viscosity**	4.2 cSt @ 40°C
Odour	mild	**Solubility in water**	negligible
Odour threshold	not determined	**Partition coefficient n-octanol/water (log value)**	not applicable
Boiling point or range	182°C (360°F)	**Vapour pressure @ 20°C**	not determined
Melting point/freezing point	not determined	**Density and/or relative density**	0.83 kg/l
% Volatile (by volume)	61%	**Weight per volume**	6.9 lbs/gal
Flammability	not determined	**Vapour density (air=1)**	> 1
Lower/upper flammability or explosion limits	LEL: 1.4% UEL: 9.3%	**Rate of evaporation (ether=1)**	< 1
Flash point	71°C (160°F)	**% Aromatics by weight**	0.6%
Method	PM Closed Cup	**Particle characteristics**	not applicable
Autoignition temperature	> 200°C (> 392°F)	**Explosive properties**	not applicable
Decomposition temperature	no data available	**Oxidising properties**	not applicable

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Refer to sections 10.3 and 10.5.

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use.

10.4. Conditions to avoid

Open flames, heat, sparks and red hot surfaces.

10.5. Incompatible materials

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

10.6. Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide and other toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Primary route of exposure under normal use: Inhalation, skin and eye contact.

Acute toxicity -

Oral: Based on available data on components, the classification criteria are not met.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LD50 oral, rat	> 5,000 mg/kg (read-across)
White mineral oil (petroleum)	LD50 oral	> 5,000 mg/kg

Dermal:

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LD50, dermal, rabbit	> 2,000 mg/kg (read-across)
White mineral oil (petroleum)	LD50, rabbit	> 2,000 mg/kg

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Inhalation: Vapor in high concentrations may irritate the respiratory tract and cause drowsiness, unconsciousness, headache, dizziness and other central nervous system effects.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LC50 inhalation (vapour) rat, 4 h	> 5.28 mg/l (read-across)
Distillates (petroleum), hydrotreated light	LC50 inhalation (mist) rat, 4 h	> 5.2 mg/l (read-across)
White mineral oil (petroleum)	LC50 inhalation, rat, 4 h	> 5 mg/l (mist)

Skin corrosion/irritation: Repeated exposure may cause skin dryness or cracking.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Skin irritation, rabbit	Slightly irritating / Moderately irritating (read-across)
White mineral oil (petroleum)	Skin irritation, rabbit	Not irritating

Serious eye damage/ irritation:

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Eye irritation, rabbit	Not irritating / Slightly irritating (read-across)
White mineral oil (petroleum)	Eye irritation, rabbit	Not irritating

Respiratory or skin sensitisation:

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Skin sensitization, guinea pig	Not sensitizing (read-across)
White mineral oil (petroleum)	Skin sensitization, guinea pig	Not sensitizing

Germ cell mutagenicity: White mineral oil (petroleum), Distillates (petroleum), hydrotreated light: not expected to be a germ cell mutagen.

Carcinogenicity: This product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or the European Chemicals Agency (ECHA).

Reproductive toxicity: White mineral oil (petroleum), Distillates (petroleum), hydrotreated light: based on available data, the classification criteria are not met.

STOT – single exposure: May cause drowsiness or dizziness.

STOT – repeated exposure: Not expected to cause toxicity.

Aspiration hazard: May be fatal if swallowed and enters airways.

11.2. Information on other hazards

None known

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Distillates (petroleum), hydrotreated light: can degrade rapidly in air. Distillates (petroleum), hydrotreated light, Mineral oil: not readily biodegradable.

12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated light: Octanol/water partition coefficient (log Kow) = 2.1 – 6.5. White mineral oil (petroleum), Octanol/water partition coefficient (log Kow): > 6.

12.4. Mobility in soil

Liquid. Insoluble in water. Floats on water. Surface tension < 33 mN/m @ 25°C. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). The hazardous ingredients will rapidly evaporate to the air if released into the environment.

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12.5. Results of PBT and vPvB assessment

Not available

12.6. Endocrine disrupting properties

None known

12.7. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Incinerate absorbed material with a properly licensed facility. Unused or spent product is amenable to incineration or fuels blending. Check local, state and national/federal regulations and comply with the most stringent requirement. This product is classified as a hazardous waste according to 2008/98/EC.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE
TDG: NOT APPLICABLE
US DOT: NOT APPLICABLE

14.2. UN proper shipping name

ADG/ADR/RID/ADN/IMDG/ICAO: NON-HAZARDOUS, NON REGULATED
TDG: NON-HAZARDOUS, NON REGULATED
US DOT: NON-HAZARDOUS, NON REGULATED

14.3. Transport hazard class(es)

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE
TDG: NOT APPLICABLE
US DOT: NOT APPLICABLE

14.4. Packing group

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE
TDG: NOT APPLICABLE
US DOT: NOT APPLICABLE

14.5. Environmental hazards

NOT APPLICABLE

14.6. Special precautions for user

NOT APPLICABLE

14.7. Maritime transport in bulk according to IMO instruments

NOT APPLICABLE

14.8. Other information

NOT APPLICABLE

SECTION 15: REGULATORY INFORMATION

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

15.1.1. EU regulations

Authorisations under Title VII: Not applicable

Restrictions under Title VIII: None

Other EU regulations: Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances (Petroleum products, qualifying quantities: 2 500 t, 25 000 t).

15.1.2. National regulations

US EPA SARA TITLE III

312 Hazards:	**Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:**
Flammable liquid Aspiration hazard Specific target organ toxicity – single exposure	None

TSCA: All chemical components are listed in the TSCA inventory.

Other national regulations: National implementation of the EC Directive referred to in section 15.1.1.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

ADG: Australian Dangerous Goods Code
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
cATpE: Converted Acute Toxicity point Estimate
CLP: Classification Labelling Packaging Regulation (1272/2008/EC)
ES: Exposure Standard
GHS: Globally Harmonized System
ICAO: International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
LC50: Lethal Concentration to 50 % of a test population
LD50: Lethal Dose to 50% of a test population
LOEL: Lowest Observed Effect Level
N/A: Not Applicable
NA: Not Available
NOEC: No Observed Effect Concentration
NOEL: No Observed Effect Level
OECD: Organization for Economic Co-operation and Development
PBT: Persistent, Bioaccumulative and Toxic substance
(Q)SAR: Quantitative Structure-Activity Relationship
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)
REL: Recommended Exposure Limit
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL: Specific Concentration Limit
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
STOT RE: Specific Target Organ Toxicity, Repeated Exposure
STOT SE: Specific Target Organ Toxicity, Single Exposure
TDG: Transportation of Dangerous Goods (Canada)
TWA: Time Weighted Average
US DOT: United States Department of Transportation
vPvB: very Persistent and very Bioaccumulative substance
WEL: Workplace Exposure Limit
WHMIS: Workplace Hazardous Materials Information System
Other abbreviations and acronyms can be looked up at www.wikipedia.org.

Key literature references and sources for data:

Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)
Chemical Classification and Information Database (CCID)
European Chemicals Agency (ECHA) - Information on Chemicals
Hazardous Chemical Information System (HCIS)
National Institute of Technology and Evaluation (NITE)
Swedish Chemicals Agency (KEMI)
U.S. National Library of Medicine Toxicology Data Network (TOXNET)

Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP] / GHS:

Classification	Classification procedure
Asp. Tox. 1, H304	On basis of components and test data
STOT SE 3, H336	Bridging principle "Dilution"
Aquatic Chronic 3, H412	Calculation method

Relevant H-statements:

EUH066: Repeated exposure may cause skin dryness or cracking.
H227: Combustible liquid.
H304: May be fatal if swallowed and enters airways.
H316: Causes mild skin irritation.
H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.

Hazard pictogram names: Health hazard, exclamation mark

Further information: None

Date of last revision: 22 May 2024

Changes to the SDS in this revision: Section 14.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.

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