

				SAFETY				· • · · ··	
	ina	accordance	with 29 CF	R 1910.12	00, WHN	/IS 2015 and	Safe Wor	k Australia	
Revision date:	12 April 2	024	Date o	of previous	issue:	4 January 20	019	SDS No.	179A-24
SECTION 1: IDE	INTIFICATI	ON OF THE	SUBSTA	NCE/MIXT	URE AN	D OF THE CC	MPANY/	UNDERTAKING	ì
1.1. Product ide	ntifier								
610 Synthetic Lu	bricating Flu	id (Aerosol))						
1.2. Relevant ide	entified use	s of the su	bstance or	r mixture a	nd uses	advised aga	inst		
Relevant identif	ied uses:	Synthetic (518°F).	Base Lubri	cant. For th	ne lubrica	ation of equipr	nent opera	ating at tempera	tures to 270°C
Uses advised aç	gainst:	No inform	ation availa	able					
Reason why use	es advised	against:	Not applica	able					
1.3. Details of th	e supplier	of the safe	y data she	et					
Company:					Supplie	er:			
A.W. CHESTER 360 Salem Stree		ANY							
Groveland, MA 0		USA							
Tel. +1 978-469-	6446								
(Mon Fri. 8:30 · SDS requests: w									
E-mail (SDS que			chesterton	.com					
E-mail: <u>customer</u>									
Canada: A.W. Ch Jnit 105, Burling									
1.4. Emergency									
24 hours per day	, 7 days per	week							
Call Infotrac: 1-8									
Outside N. Ameri NSW Poisons Inf				26					
SECTION 2: HA			,	20					
2.1. Classification									
2.1.1. Classifica				200 / WHM	IS 2015				
Flammable aeros		-	111 1010.1	2007 1111					
Compressed gas		, 2, 11220							
Reproductive tox	icity, Catego	ory 2, H361							
Hazardous to the	•								
2.1.2. Classifica		-	Work Aus	stralia / GH	IS 7+				
Aerosol, Categor Hazardous to the			Chronic, Ca	itegory 3, H	412				
2.1.3. Additional	informatio	'n							
For full text of H-	statements:	see SECTI	ONS 2.2 ar	nd 16.					
2.2. Label eleme	nts								
Labeling accord	ling to 29 C	FR 1910.12	:00 / WHMI	S 2015					
Hazard pictogra	ms:	1	> (>				
Signal word:		Warning	•	•					
Signai woru.		vvarning	ł						

Hazard statements:	H280 H361	Suspected of d	osol. Inder pressure; may lamaging fertility or t atic life with long las	he unborn child.			
P202 Do P210 Ke		Obtain special Do not handle Keep away fror	btain special instructions before use. o not handle until all safety precautions have been read and understood. eep away from heat, hot surfaces, sparks, open flames and other ignition burces. No smoking.				
	P211 P251 P273 P280 P308/313 P410/412	Do not spray of Do not pierce of Avoid release t Wear protective IF exposed or of Protect from su	n an open flame or c or burn, even after us to the environment. e gloves. concerned: Get med unlight. Do not expos	other ignition source. se. lical advice/attention. se to temperatures exceeding 50 °C/122 °F. n approved waste disposal plant.			
Supplemental information:							
Labeling according to Safe W	Vork Australia						
Hazard pictograms:							
Signal word:	Warning						
Hazard statements:	H229	Flammable aerosol. Pressurized container: May burst if heated. Harmful to aquatic life with long lasting effects.					
Precautionary statements:				, sparks, open flames and other ignition			
	P211 P251 P273 P410/412	sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid release to the environment. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 Dispose of contents/container to an approved waste disposal plant.					
Supplemental information:	None						
2.3. Other hazards							
None							
SECTION 3: COMPOSITION/	INFORMATION (ON INGREDIEN	ITS				
3.2. Mixtures							
Hazardous Ingredients ¹		% Wt.	CAS No.	GHS Classification			
Hazardous Ingredients ¹ Decanoic acid, mixed esters wi isononanoic acid, octanoic acid pentaerythritol			CAS No . 118685-24-8	GHS Classification Aquatic Chronic 4, H413			
Decanoic acid, mixed esters wi isononanoic acid, octanoic acid	d and						
Decanoic acid, mixed esters wi isononanoic acid, octanoic acid pentaerythritol Distillates (petroleum), hydrotre Carbon dioxide	d and eated light	I, 45-70 5-10 1-3	118685-24-8 64742-47-8 124-38-9	Aquatic Chronic 4, H413 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 3, H412 Press. Gas (Comp.), H280			
Decanoic acid, mixed esters wi isononanoic acid, octanoic acid pentaerythritol Distillates (petroleum), hydrotre	d and eated light	l, 45-70 5-10	118685-24-8 64742-47-8	Aquatic Chronic 4, H413 Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 3, H412			

For full text of H-statements: see SECTION 16. *Contains less than 0.15% w/w ortho isomer.

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

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. Remove contaminated clothing. Contact physician if irritation persists. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 10 minutes. Contact physician if irritation persists. Do not induce vomiting. If person is conscious, rinse mouth with water. Contact physician immediately. Ingestion:

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. See section 8.2.2 for recommendations on personal protective equipment.

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

May cause mild irritation to skin, eyes and respiratory tract. Inhalation of vapor concentrations in excess of exposure limits may result in dizziness, headache and other central nervous system effects. Prolonged or repeated skin contact may defat the skin and cause skin irritation.

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

Treat symptoms.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

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

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

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

Other hazards: Water may cause frothing. Pressurized containers, when heated, are a potential explosive hazard.

5.3. Advice for firefighters

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

Australian HAZCHEM Emergency Action Code: 27

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. Flush away from ignition sources with water. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

6.4. Reference to other sections

Refer to section 13 for disposal advice.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Utilize exposure controls and personal protection as specified in Section 8. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No Smoking. May attack some rubber materials and paints. As with any product involved with moving equipment, care is recommended. If in doubt, stop equipment prior to application.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (120°F). Do not pierce or burn, even after use.

7.3. Specific end use(s)

No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational	l exposure	limit	values
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Ingredients	OSH <i>A</i> ppm	A PEL ¹ mg/m ³	ACGII ppm	H TLV ² mg/m ³	AUSTR/ ppm	ALIA ES ³ mg/m ³
Decanoic acid, mixed esters with heptanoic acid, isononanoic acid, octanoic acid and pentaerythritol	N/A	N/A	N/A	N/A	N/A	N/A
Distillates (petroleum), hydrotreated light	500	N/A	212 *	1,200 *	N/A	N/A
Carbon dioxide	5,000	9,000	5,000 STEL: 30,000	9,000 54,000	5,000 STEL: 30,000	9,000 54,000
tris(methylphenyl) phosphate	N/A	N/A	N/A	N/A	N/A	N/A
Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene	N/A	N/A	N/A	N/A	N/A	N/A

* 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 Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

Biological limit values

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

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 approved organic vapor respirator (EN filter type A/P).
Protective gloves:	Chemical resistant gloves (e.g. neoprene, nitrile).
Eye and face protection:	Safety goggles.
Other:	Long sleeves, long pants and good personal hygiene to minimize skin contact.

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	liquid	рН	not applicable
Colour	amber	Kinematic viscosity	not determined
Odour	mild	Solubility in water	slightly soluble
Odour threshold	not determined	Partition coefficient	not applicable
		n-octanol/water (log value)	
Boiling point or range	not determined	Vapour pressure @ 20°C	not determined
Melting point/freezing point	not determined	Density and/or relative density	0.96 kg/l
% Volatile (by volume)	12%	Weight per volume	8.0 lbs/gal.
Flammability	not determined	Vapour density (air=1)	>1
Lower/upper flammability or	not determined	Rate of evaporation (ether=1)	< 1
explosion limits			
Flash point	68°C (154°F), product only	% Aromatics by weight	< 0.1%
Method	PM Closed Cup	Particle characteristics	not applicable
Autoignition temperature	not determined	Explosive properties	not determined
Decomposition temperature	not determined	Oxidising properties	not determined
9.2. Other information			
Nono			

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Date: 12 April 2024			SDS NO. 179A-24		
SECTION 10: STABILITY AN					
10.1. Reactivity					
Refer to sections 10.3 and 10.	5.				
10.2. Chemical stability					
Stable					
10.3. Possibility of hazardou	is reactions				
-	n under conditions of normal use.				
10.4. Conditions to avoid					
Open flames, heat, sparks and	d red hot surfaces.				
10.5. Incompatible materials					
•	orine and concentrated oxygen, caustic and	acid solutions.			
10.6. Hazardous decomposit					
	oxide, Oxides of Phosphorus and other toxic	fumes			
·	· •				
SECTION 11: TOXICOLOGIC 11.1. Information on toxicolo					
Primary route of exposure	Inhalation, skin and eye contact.				
under normal use: Acute toxicity -	initiation, suit and cyc contact.				
Oral:	Not expected to cause toxicity. ATE-mix	> 5000 mg/kg.			
	Substance	Test	Result		
	Distillates (petroleum), hydrotreated light	LD50, rat	> 5,000 mg/kg		
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	LD50, rat (OECD 401)	> 5,000 mg/kg		
	tris(methylphenyl) phosphate	LD50, rat	> 5,000 mg/kg		
Dermal:	Not expected to cause toxicity. ATE-mix > 4453 mg/kg.				
	Substance	Test	Result		
	Distillates (petroleum), hydrotreated light	LD50, rabbit	> 2,000 mg/kg		
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	LD50, rat	> 2,000 mg/kg		
	tris(methylphenyl) phosphate	LD50, rabbit	> 10,000 mg/kg		
Inhalation:	Not classified due to lack of data. Inhalat may result in dizziness, headache and ot				
	Substance	Test	Result		
	Distillates (petroleum), hydrotreated	LC50, rat, 4 hours	> 5.28 mg/l		
	light tris(methylphenyl) phosphate	LC50, rat, 1 h	(analytical) > 11.1 mg/l		
Skin corrosion/irritation:	Prolonged or repeated skin contact may		ě – – – – – – – – – – – – – – – – – – –		
	Substance	Test	Result		
	Distillates (petroleum), hydrotreated light	Skin irritation, rabbit	Not irritating / Slightly irritating / Moderate irritation		
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Skin irritation, rabbit (OECD 404)	Not irritating		
	tris(methylphenyl) phosphate	Skin irritation, rabbit, 24 h	Not irritating		

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Serious eye damage/ irritation:	Not classified due to lack of data.		
	Substance	Test	Result
	Distillates (petroleum), hydrotreated light	Eye irritation, rabbit	Not irritating / Slightly irritating
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Eye irritation, rabbit (OECD 405)	Not irritating
	tris(methylphenyl) phosphate	Eye irritation, rabbit	Not irritating
Respiratory or skin sensitisation:	Not classified due to lack of data.		
	Substance	Test	Result
	Distillates (petroleum), hydrotreated light	Skin sensitization, guinea pig	Not sensitizing
	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Skin sensitization, guinea pig (OECD 406)	Not sensitizing
	tris(methylphenyl) phosphate	Skin sensitization	Not sensitizing
Carcinogenicity:	pentaerythritol, Benzenamine, N-phenyl-, test: negative. tris(methylphenyl) phospha test). Distillates (petroleum), hydrotreated This product contains no carcinogens as	ate: not expected to be a gerr I light: not expected to be a g listed by the National Toxicol	n cell mutagen (In vitro erm cell mutagen. ogy Program (NTP), the
	International Agency for Research on Ca Administration (OSHA) or the European (al Safety and Health
Reproductive toxicity:	Tricresyl phosphate has caused impaired phenyl-, reaction products with 2,4,4-trime ingestion studies.		
STOT – single exposure:	Not classified due to lack of data. Distillat drowsiness or dizziness. Benzenamine, N tris(methylphenyl) phosphate: based on a	I-phenyl-, reaction products v	vith 2,4,4-trimethylpentene
STOT – repeated exposure:	Not classified due to lack of data. Distillat phosphate: based on available data, the o		
Aspiration hazard:	Based on available data, the classification	n criteria are not met.	
Other information:	None		
SECTION 12: ECOLOGICAL	INFORMATION		

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

12.2. Persistence and degradability

Distillates (petroleum), hydrotreated light: can degrade in air; inherently biodegradable. tris(methylphenyl) phosphate: biodegradable.

12.3. Bioaccumulative potential

tris(methylphenyl) phosphate: may bioaccumulate.

12.4. Mobility in soil

Liquid. Slightly soluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Distillates (petroleum), hydrotreated light: will rapidly evaporate to the air if released into the environment. tris(methylphenyl) phosphate: expected to be relatively immobile in soil.

12.5. Endocrine disrupting properties

No information available

12.6. Other adverse effects

None known

Date: 12 April 2024

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Incinerate absorbed material with a properly licensed facility. Incinerate pressurized or sealed containers in an approved facility. Check local, state and national/federal regulations and comply with the most stringent requirement.

SECTION 14: TRANSPORT INFORMATION	ON
14.1. UN number or ID number	
ADG/ADR/RID/ADN/IMDG/ICAO:	UN1950
TDG:	UN1950
US DOT:	UN1950
14.2. UN proper shipping name	
ICAO:	AEROSOLS, FLAMMABLE
ADG/IMDG:	AEROSOLS
ADR/RID/ADN:	AEROSOLS, <i>FLAMMABLE</i>
TDG:	AEROSOLS, <i>FLAMMABLE</i>
US DOT:	AEROSOLS, <i>FLAMMABLE</i>
14.3. Transport hazard class(es)	
ADG/ADR/RID/ADN/IMDG/ICAO:	2.1
TDG:	2.1
US DOT:	2.1
14.4. Packing group	
ADG/ADR/RID/ADN/IMDG/ICAO:	NOT APPLICABLE
TDG:	NOT APPLICABLE
US DOT:	NOT APPLICABLE
14.5. Environmental hazards	
NO ENVIRONMENTAL HAZARDS	
14.6. Special precautions for user	
NO SPECIAL PRECAUTIONS FOR USE	
14.7. Maritime transport in bulk accordin NOT APPLICABLE	ng to IMO instruments
14.8. Other information	
US DOT: SHIPPED AS LIMITED QUAN CFR 173.306(A),(3),(I)).	TITY IN PACKAGING HAVING A RATED CAPACITY GROSS WEIGHT OF 66 LB. OR LESS (49
ERG NO. 126	
IMDG: EMS. F-D, S-U, SHIPPED AS LI	
	NNEL RESTRICTION CODE (E), SHIPPED AS LIMITED QUANTITY
ADG HAZCHEM CODE: N/A HIN: (1)	
SECTION 15: REGULATORY INFORMAT	FION egulations/legislation specific for the substance or mixture
	eguiacions/legislacion specific for the substance or mixture
15.1.1. 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 aerosol Gas under pressure Reproductive toxicity	None
TSCA: All components are listed or exemption	ted.

Changes to the SDS in this revision:

HER INFORMATION
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 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 (Q)SAR: Quantitative Structure-Activity Relationship 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 STOT SE: Specific Target Organ Toxicity, Singl
WHMIS: Workplace Hazardous Materials Information System Other abbreviations and acronyms can be looked up at <u>www.wikipedia.org</u> .
erences Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST) lata: 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) U.S. National Library of Medicine Toxicology Data Network (TOXNET)
o derive the classification for mixtures according to GHS:
Classification procedure
H223 On basis of test data
3, H412 Calculation method
 nents: H226: Flammable liquid and vapour. H280: Contains gas under pressure; may explode if heated. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H361: Suspected of damaging fertility or the unborn child. H361f: Suspected of damaging fertility. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects. H413: May cause long lasting barmful effects to aquatic life
H412: Harmful to aquatic life with long lasting effects. H413: May cause long lasting harmful effects to aquatic life.
 H412: Harmful to aquatic life with long lasting effects. H413: May cause long lasting harmful effects to aquatic life. names: Flame, gas cylinder (GHS < 4) health hazard (US/Can.)
H412: Harmful to aquatic life with long lasting effects. H413: May cause long lasting harmful effects to aquatic life.

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Sections 1.2, 1.3, 2.1, 2.2, 3, 5.2, 5.3, 8.1, 9.1, 11, 12.5, 13, 15.1, 16.

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.