



ENGINE SHAMPOO, 482 g

Versio 1.0	n Revision Date: 10/20/2023		9S Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023		
SECT	ON 1. IDENTIFICATION					
Р	roduct name	:	ENGINE SHAMP	OO, 482 g		
Р	Product code		5986.013057			
0	Other means of identification		No data available			
Μ	anufacturer or supplier's c	leta	ils			
С	ompany name of supplier	:	Würth Canada Lir	nited		
A	ddress	:	345 Hanlon Creek GUELPH, ON N1			
Т	elephone	: +1 (905) 564 6225				
Т	elefax	:	+1 (905) 564 367	1		
E	mergency telephone	:	CHEMTREC (24/ Transport related	olving a spill, fire, explosion or exposure: 7): 1-800-424-9300 emergencies: : 1-613-996-6666 or * 666 (cell)		
			exposition: CHEMTREC (24/ Urgences liées au	ant un déversement, incendie, explosion ou 7): 1-800-424-9300 u transport: : 1-613-996-6666 ou * 666 (cellulaire)		
E	mail address	:	prodsafe@wurth.	ca		
R	ecommended use of the cl	nem	nical and restriction	ons on use		
R	ecommended use	:	Cleaning agent			
R	estrictions on use	:	Not applicable			

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations						
Aerosols	:	Category 1				
Eye irritation	:	Category 2A				

GHS label elements



according to the Hazardous Products Regulations

ENGINE SHAMPOO, 482 g

rsion)	Revision Date: 10/20/2023	SDS Number: 11286583-00001	Date of last issue: - Date of first issue: 10/20/2023				
Hazar	d pictograms		!				
Signa	l Word	: Danger					
Hazard Statements		H229 Pressuris	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H319 Causes serious eye irritation.				
Preca	utionary Statements	and other igniti P211 Do not sp P251 Do not pi P264 Wash ski	ay from heat, hot surfaces, sparks, open flames on sources. No smoking. oray on an open flame or other ignition source. erce or burn, even after use. in thoroughly after handling. e protection and face protection.				
		for several min to do. Continue	P338 IF IN EYES: Rinse cautiously with water utes. Remove contact lenses, if present and eas rinsing. eye irritation persists: Get medical attention.				
		Storage: P410 + P412 F tures exceeding	Protect from sunlight. Do not expose to tempera-				

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Distillates (petroleum), hydrotreated light	, ,	64742-47-8	>= 5 - < 10 *
2-(2- Butoxyethoxy)ethanol	BUTOXYDIGLY COL	112-34-5	>= 1 - < 5 *
Butane	Butyl hydride	106-97-8	>= 1 - < 5 *
Propane	Dimethylme- thane	74-98-6	>= 1 - < 5 *
(C10-C16) Alkylben- zenesulfonic acid, so- dium salt	Benzenesulfonic acid, mono- C10-16-alkyl derivs., sodium salts	68081-81-2	>= 1 - < 5 *

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ENGINE SHAMPOO, 482 g

Vers 1.0	ion Revision Date: 10/20/2023)S Num 286583	ber: -00001		e of last issue: - e of first issue: 10/20/2023			
	2-Methylnaphthalene	No data a	availa-	91-57-6		>= 1 - < 5 *			
	* Actual concentration of	or concentr	ation ra	ange is with	held a	as a trade secret			
SEC	SECTION 4. FIRST AID MEASURES								
	General advice	:	vice in	nmediately. symptoms		t or if you feel unwell, seek medical ad- ist or in all cases of doubt seek medical			
	If inhaled			If inhaled, remove to fresh air. Get medical attention if symptoms occur.					
	In case of skin contact	:	Remo Get m Wash	ve contamir edical atten clothing be	nated tion. fore re	nediately flush skin with plenty of water. I clothing and shoes. reuse. es before reuse.			
	In case of eye contact	:	for at I If easy	least 15 mir	iutes. ove c	contact lens, if worn.			
	If swallowed	:	Get m	edical atten	tion if	induce vomiting. if symptoms occur. ly with water.			
	Most important sympton and effects, both acute delayed		Cause	es serious e	ye irri	ritation.			
	Protection of first-aiders	S :	and us	se the recor	nmer	hould pay attention to self-protection, nded personal protective equipment exposure exists (see section 8).			
	Notes to physician	:	Treat	symptomati	cally	and supportively.			

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire fighting	:	Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.

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ENGINE SHAMPOO, 482 g

Versi 1.0	on	Revision Date: 10/20/2023		S Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023		
				If the temperature due to the high va	rises there is danger of the vessels bursting por pressure.		
	Hazardo ucts	ous combustion prod-	:	Carbon oxides Metal oxides Sulfur oxides			
	Specific extinguishing meth- ods		:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to so. Evacuate area.			
	Special protective equipment for fire-fighters		:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.			
SECI	TION 6.	ACCIDENTAL RELE	ASE	EMEASURES			
t	tive equ	al precautions, protec- lipment and emer- procedures	:				
E	Environmental precautions		:	Prevent spreading oil barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages		
		s and materials for ment and cleaning up	:	Suppress (knock of jet. For large spills, pr ment to keep mate pumped, store rec	s should be used. absorbent material. down) gases/vapors/mists with a water spray rovide diking or other appropriate contain- erial from spreading. If diked material can be covered material in appropriate container. ng materials from spill with suitable absor-		

SECTION 7. HANDLING AND STORAGE

Technical measures

: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine

Sections 13 and 15 of this SDS provide information regarding

which regulations are applicable.

certain local or national requirements.

bent.

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ENGINE SHAMPOO, 482 g

Vers 1.0	ion	Revision Date: 10/20/2023		0S Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023
	Local/T	otal ventilation	:		quate ventilation. essment of the local exposure potential, use uipped with explosion-proof exhaust ventila-
	Advice	on safe handling	:	Handle in accorda practice, based or sessment Keep away from h other ignition sour Take precautional Take care to prev environment.	f vapor or mist. s. ghly after handling. ance with good industrial hygiene and safety n the results of the workplace exposure as- neat, hot surfaces, sparks, open flames and
	Conditio	ons for safe storage	:	Store in accordan	ell-ventilated place. ce with the particular national regulations. ourn, even after use. t from sunlight.
	Materia	ls to avoid	:	Self-reactive subs Organic peroxides Oxidizing agents Flammable solids Pyrophoric liquids Pyrophoric solids Self-heating subst	
	Recom peratur	mended storage tem- e	:	< 40 °C	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Distillates (petroleum), hy- drotreated light	64742-47-8	TWA	200 mg/m ³ (total hydrocarbon vapor)	CA BC OEL
		TWA	200 mg/m ³	CA AB OEL



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		11286583-0000		t issue: 10/20/2023	
				(total hydrocarbon vapor)	
			TWA	525 mg/m³	CA ON O
			TWAEV	200 mg/m ³	CA QC O
2-(2-8	Butoxyethoxy)ethanol	112-34-5	TWA (Inha- lable fraction	10 ppm	ACGIH
Dutor	•	400.07.0	and vapor)	1.000 nnm	CA AB OI
Butar	le	106-97-8	TWA TWAEV	1,000 ppm 800 ppm 1,900 mg/m ³	CA AB OI CA QC O
			TWA	1,000 ppm	CA BC O
			STEL	1,000 ppm	ACGIH
Propa	ane	74-98-6	TWA	1,000 ppm	CA AB O
			TWAEV	1,000 ppm 1,800 mg/m ³	CA QC O
2-Met	thylnaphthalene	91-57-6	TWA	0.5 ppm	CA BC O
			TWAEV	0.5 ppm	CA QC O
			SL	0.05 ppm 3 mg/100 cm2	ACGIH
		lation.			
Perso	onal protective equipm				
	onal protective equipm iratory protection	ent : If adequate sure assess	ment demonstrate	tilation is not availabl es exposures outside espiratory protection.	the re-
Resp		ient : If adequate sure assess commended	ment demonstrate	es exposures outside espiratory protection.	the re-
Resp Fil Hand	iratory protection	ient : If adequate sure assess commended	ment demonstrate d guidelines, use r ed breathing appa	es exposures outside espiratory protection.	the re-
Resp Fil Hand Ma	iratory protection ter type protection	 If adequate sure assess commended Self-contain Protective g Choose glov on the conc applications micals of the manufacture workday. Br 	ment demonstrate d guidelines, use r ed breathing appa loves ves to protect han entration specific t , we recommend e aforementioned er. Wash hands be	es exposures outside espiratory protection.	depending special ice to che- h the glove ne end of
Resp Fil Hand Ma	iratory protection Iter type protection aterial	 If adequate sure assess commended Self-contain Protective g Choose glov on the conc applications micals of the manufacture workday. Br duct. Change 	ement demonstrate d guidelines, use r ed breathing appa loves ves to protect han entration specific , we recommend e aforementioned er. Wash hands be reakthrough time is ge gloves often!	es exposures outside espiratory protection. aratus ds against chemicals to place of work. For clarifying the resistan protective gloves witl efore breaks and at th	depending special lice to che- h the glove ne end of the pro-

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Vers 1.0	ion	Revision Date: 10/20/2023		S Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023			
				atmospheres or fl protective clothing Skin contact must	monstrates that there is a risk of explosive ash fires, use flame retardant antistatic g. t be avoided by using impervious protective aprons, boots, etc).			
	Hygiene measures			If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the wor- king place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.				
SEC	TION 9	. PHYSICAL AND CHE	EMIC		8			
	Appear	ance	:	Aerosol containir	ng a liquefied gas			
	Propell	ant	:	Butane, Propane				
	Color		:	yellow				
	Odor		:	solvent				
	Odor T	hreshold	:	No data available	2			
	рН		:	Solvent mixture; aqueous solution	pH value determination not possible, no			
	Melting	point/freezing point	:	No data available	9			
	Initial b range	oiling point and boiling	:	100 °C Solvent				
	Flash p	oint	:	95 °C				
				Flash point is onl	y valid for liquid portion in the aerosol can.			
	Evapor	ation rate	:	Not applicable				
	Flamma	ability (solid, gas)	:	Extremely flamm	able aerosol.			
		explosion limit / Upper bility limit	:	15.2 %(V)				
		explosion limit / Lower bility limit	:	0.6 %(V)				
	Vapor p	pressure	:	2,757.91 - 3,447	38 hPa (20 °C)			

according to the Hazardous Products Regulations



ENGINE SHAMPOO, 482 g

Versior 1.0	n Revision Date: 10/20/2023	SDS Number: 11286583-00001	Date of last issue: - Date of first issue: 10/20/2023
Re	elative vapor density	: Not applicable	
Re	elative density	: 0.957	
Sc	blubility(ies) Water solubility	: No data availat	ble
	artition coefficient: n- tanol/water	: Not applicable	
Au	toignition temperature	: No data availat	ble
De	ecomposition temperature	: No data availat	ble
Vi	scosity Viscosity, kinematic	: Not applicable	
Ex	plosive properties	: Not explosive	
O	kidizing properties	: The substance	or mixture is not classified as oxidizing.
Pa	article size	: Not applicable	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.	
Chemical stability	:	Stable under normal conditions.	
Possibility of hazardous reac- tions	:	Extremely flammable aerosol. Vapors may form explosive mixture with air. If the temperature rises there is danger of the vessels burstir due to the high vapor pressure. Can react with strong oxidizing agents.	
Conditions to avoid	:	Heat, flames and sparks.	
Incompatible materials	:	Oxidizing agents	
Hazardous decomposition products	:	No hazardous decomposition products are known.	

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact

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ersion)	Revision Date: 10/20/2023	SDS Number: 11286583-000	Date of last issue: - Date of first issue: 10/20/2023
	e toxicity assified based on ava	ailable information.	
<u>Produ</u> Acute	ict: oral toxicity		ity estimate: > 2,000 mg/kg alculation method
Acute	dermal toxicity		ity estimate: > 2,000 mg/kg alculation method
<u>Comp</u>	onents:		
Distill	ates (petroleum), h	drotreated light:	
Acute	oral toxicity	: LD50 (Rat)	: > 5,000 mg/kg
Acute	inhalation toxicity	Exposure t Test atmos Assessmention toxicity	phere: dust/mist ht: The substance or mixture has no acute inhala-
Acute	dermal toxicity		bit): > 3,160 mg/kg nt: The substance or mixture has no acute dermal
2-(2-B	utoxyethoxy)ethan	ol:	
Acute	oral toxicity	: LD50 (Mou	se): 2,410 mg/kg
Acute	dermal toxicity	: LD50 (Rab	bit): 2,764 mg/kg
Butan	le:		
Acute	inhalation toxicity	: LC50 (Rat) Exposure t Test atmos	
Propa	ine:		
Acute	inhalation toxicity		: > 800000 ppm me: 15 min phere: gas
(C10-0	C16) Alkylbenzenes	ulfonic acid, sodi	um salt:
Acute	oral toxicity	Method: O	: > 300 - 2,000 mg/kg ECD Test Guideline 401 Based on data from similar materials
Acute	dermal toxicity	Method: O	: > 2,000 mg/kg ECD Test Guideline 402 Based on data from similar materials

according to the Hazardous Products Regulations



rsion	Revision Date: 10/20/2023		S Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023		
2-Met	hylnaphthalene:					
Acute	oral toxicity	:	LD50 (Rat): 1,6	30 mg/kg		
Acute	dermal toxicity	:	LD50 (Rat): > 2 Method: OECD	,000 mg/kg Test Guideline 402		
-	corrosion/irritation assified based on ava	ilable	information.			
<u>Comp</u>	oonents:					
Distil	lates (petroleum), hy	drotre	eated light:			
	ssment	:	-	sure may cause skin dryness or cracking.		
2-(2-E	Butoxyethoxy)ethanc	ol:				
Speci	es	:	Rabbit			
Metho		:	OECD Test Gui			
Resul	t	:	Mild skin irritatio	n		
(C10-	C16) Alkylbenzenesi	ulfonio	acid, sodium s	salt:		
Speci		:	Rabbit			
Metho		:	OECD Test Guideline 404			
Resul Rema		:	Skin irritation	rom similar materials		
Cause	us eye damage/eye i es serious eye irritation conents:		on			
	lates (petroleum), hy	drotre	eated light:			
Speci			Rabbit			
Resul		:	No eye irritation			
2-(2-E	Butoxyethoxy)ethanc	ol:				
Speci		:	Rabbit			
Resul	t	:	Irritation to eyes	s, reversing within 21 days		
(C10-	C16) Alkylbenzenesı	ulfonio	acid, sodium s	salt:		
Speci		:	Rabbit			
Resul		:	Irreversible effects on the eye			
Metho		:	OECD Test Gui			
Rema	arks	:	Based on data f	rom similar materials		
Resp	iratory or skin sensit	tizatio	n			
Skin s	sensitization					

according to the Hazardous Products Regulations



ENGINE SHAMPOO, 482 g

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/20/2023	11286583-00001	Date of first issue: 10/20/2023

Respiratory sensitization

Not classified based on available information.

Components:

Distillates (petroleum), hydrotreated light:

Test Type :	Maximization Test
Routes of exposure :	Skin contact
Species :	Guinea pig
Result :	negative
Remarks :	Based on data from similar materials

2-(2-Butoxyethoxy)ethanol:

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Result	:	negative

(C10-C16) Alkylbenzenesulfonic acid, sodium salt:

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	negative
Remarks	:	Based on data from similar materials

Germ cell mutagenicity

Not classified based on available information.

Components:

Distillates (petroleum), hydrotreated light:

Genotoxicity in vitro :	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
Genotoxicity in vivo :	Test Type: Chromosomal aberration Species: Rat Application Route: Intraperitoneal injection Result: negative Remarks: Based on data from similar materials
2-(2-Butoxyethoxy)ethanol:	
Genotoxicity in vitro :	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
	Test Type: In vitro mammalian cell gene mutation test Result: negative

according to the Hazardous Products Regulations



Version 1.0	Revision Date: 10/20/2023	SDS N 112865	umber: 683-00001	Date of last issue: - Date of first issue: 10/20/2023
Gene	otoxicity in vivo	cyto Spe App		jenicity (in vivo mammalian bone-marrow chromosomal analysis) e: Ingestion
Buta	ine:			
Gene	otoxicity in vitro		st Type: Bacte sult: negative	rial reverse mutation assay (AMES)
Gen	otoxicity in vivo	cyto Spe App Met Res	Test Type: Mammalian erythrocyte micronucleus test (in vir cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials	
Prop	oane:			
Gene	otoxicity in vitro		st Type: Bacte sult: negative	rial reverse mutation assay (AMES)
Gen	otoxicity in vivo	cyto Spe App Met	ogenetic assay ecies: Rat plication Route	nalian erythrocyte micronucleus test (in vivo /) e: inhalation (gas) est Guideline 474
(C10	-C16) Alkylbenzenest	Ilfonic aci	d, sodium sa	lt:
•	otoxicity in vitro	: Tes Met Res	t Type: Bacte hod: Directive sult: negative	rial reverse mutation assay (AMES) e 67/548/EEC, Annex V, B.13/14. on data from similar materials
		Res	sult: negative	o mammalian cell gene mutation test on data from similar materials
		Met Res	thod: OECD T sult: negative	nosome aberration test in vitro est Guideline 473 on data from similar materials
Gene	otoxicity in vivo	cyto Spe App Res	ogenetic test, ecies: Mouse plication Route sult: negative	enicity (in vivo mammalian bone-marrow chromosomal analysis) e: Ingestion on data from similar materials

according to the Hazardous Products Regulations



rsion)	Revision Date: 10/20/2023	SDS Number 11286583-00	
2-Met	hylnaphthalene:		
Genot	toxicity in vitro	: Test Type Result: ne	: Bacterial reverse mutation assay (AMES) gative
		Test Type Result: ne	: Chromosome aberration test in vitro gative
		Test Type malian ce Result: ne	
Carci	nogenicity		
Not cl	assified based on availa	ble information	l.
Comp	oonents:		
(C10-	C16) Alkylbenzenesulf	onic acid, soc	lium salt:
Speci		: Rat	
	ation Route	: Ingestion	
Expos	sure time	: 2 Years	
Resul	t	: negative	
Rema	ırks	: Based on	data from similar materials
2-Met	hylnaphthalene:		
Speci	es	: Mouse	
	cation Route	: Ingestion	
Expos	sure time	: 81 weeks	
Resul	t	: negative	
Repro	oductive toxicity		
Not cl	assified based on availa	ble informatior	L.
Comp	oonents:		
	lates (petroleum), hydi	-	
Effect	s on fertility		: One-generation reproduction toxicity study
		Species: I	
			n Route: Ingestion
		Result: ne	Based on data from similar materials
Effect	s on fetal development		: Embryo-fetal development
		Species: I	
		Result: ne	n Route: Ingestion gative
2-(2-F	Butoxyethoxy)ethanol:		
•	s on fertility	· Test Tune	: One-generation reproduction toxicity study
LIICOL	5 of fernity	Species: I	
			n Route: Ingestion
			DECD Test Guideline 415
		Mothou. C	

according to the Hazardous Products Regulations



rsion	Revision Date: 10/20/2023		S Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023
			Result: negative	
Effects	s on fetal development	:	Test Type: Embr Species: Rat Application Route Result: negative	yo-fetal development e: Ingestion
Butan	ie:			
Effects	s on fertility	:	reproduction/dev Species: Rat Application Route	bined repeated dose toxicity study with the relopmental toxicity screening test e: inhalation (gas) Fest Guideline 422
Effects	s on fetal development	:	reproduction/dev Application Route	bined repeated dose toxicity study with the relopmental toxicity screening test e: inhalation (gas) Fest Guideline 422
Propa	ine:			
Effects	s on fertility	:	reproduction/dev Species: Rat Application Route	bined repeated dose toxicity study with the relopmental toxicity screening test e: inhalation (gas) Fest Guideline 422
Effects	s on fetal development	:	reproduction/dev Species: Rat Application Route	bined repeated dose toxicity study with the relopmental toxicity screening test e: inhalation (gas) Fest Guideline 422
(C10-0	C16) Alkylbenzenesulf	onio	: acid. sodium sa	alt:
-	s on fertility	:	Test Type: Three Species: Rat Application Route Result: negative	e-generation reproduction toxicity study
	-single exposure			
	assified based on availa	able	information.	
Comp	oonents:			
Butan				



according to the Hazardous Products Regulations

/ersion .0	Revision Date: 10/20/2023	SDS Number: 11286583-00001	Date of last issue: - Date of first issue: 10/20/2023
Prop	ane:		
Asse	ssment	: May cause dro	wsiness or dizziness.
STO	F-repeated exposure		
Not c	lassified based on ava	ailable information.	
Repe	ated dose toxicity		
Com	ponents:		
Distil	llates (petroleum), h	vdrotreated light:	
Spec		: Rat	
NOAI		: > 10.4 mg/l	
	cation Route	: inhalation (vap	or)
	sure time	: 90 Days	
Rema	arks	: Based on data	from similar materials
2-(2-l	Butoxyethoxy)ethan	ol:	
Spec	ies	: Rat	
NOAI	EL	: 250 mg/kg	
LOAE	EL	: 1,000 mg/kg	
	cation Route	: Ingestion	
	sure time	: 90 Days	
Meth	od	: OECD Test Gu	ideline 408
Spec		: Rat	
NOAI		: >= 0.094 mg/l	
	cation Route	: inhalation (vap	or)
	sure time	: 90 Days	
Meth	od	: OECD Test Gu	ideline 413
Spec		: Rat	
NOAI		: >= 2,000 mg/kg	g
	cation Route	: Skin contact	
Expo	sure time	: 90 Days	
Buta	ne:		
Spec	ies	: Rat	
NOA	EL	: 9000 ppm	
	cation Route	: inhalation (gas))
	sure time	: 6 Weeks	
Meth	od	: OECD Test Gu	ideline 422
Prop	ane:		
Spec	ies	: Rat	
NOAI		: 7.214 mg/l	
Appli	cation Route	: inhalation (gas))
	sure time	: 6 Weeks	
Meth	od	: OECD Test Gu	ideline 422

according to the Hazardous Products Regulations



ENGINE SHAMPOO, 482 g

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/20/2023	11286583-00001	Date of first issue: 10/20/2023

(C10-C16) Alkylbenzenesulfonic acid, sodium salt:

Species :	Rat
LOAEL :	> 100 mg/kg
Application Route :	Ingestion
Exposure time :	9 Months
Remarks :	Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

Components:

Distillates (petroleum), hydrotreated light:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Distillates (petroleum), hydrotreated light:

Biotinatoo (potroiotani), nyaro		
Toxicity to fish	:	LL50 (Danio rerio (zebra fish)): > 250 mg/l Exposure time: 96 h Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Acartia tonsa (Calanoid copepod)): > 3,193 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction
Toxicity to algae/aquatic plants	:	EL50 (Skeletonema costatum (marine diatom)): > 3,200 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction
		NOELR (Skeletonema costatum (marine diatom)): 993 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction
Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)	:	NOELR (Ceriodaphnia dubia (water flea)): > 70 mg/l Exposure time: 8 d Test substance: Water Accommodated Fraction
Toxicity to microorganisms	:	EC50: > 100 mg/l Exposure time: 3 h
2-(2-Butoxyethoxy)ethanol:		
Toxicity to fish	:	LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,300 mg/l

Exposure time: 96 h

according to the Hazardous Products Regulations



Vers 1.0	sion	Revision Date: 10/20/2023		9S Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
	Toxicity plants	to algae/aquatic	:	ErC50 (Desmodes Exposure time: 96 Method: OECD Te	
				NOEC (Desmodes mg/l Exposure time: 96 Method: OECD Te	
	Toxicity	to microorganisms	:	EC10: > 1,995 mg Exposure time: 30	
	(C10-C	16) Alkylbenzenesulf	onio	c acid. sodium sal	t:
	Toxicity		:	LC50 (Lepomis m Exposure time: 96	acrochirus (Bluegill sunfish)): > 1 - 10 mg/l
		to daphnia and other invertebrates	:	Exposure time: 48 Method: OECD Te	
	Toxicity plants	to algae/aquatic	:	mg/l Exposure time: 96	um capricornutum (green algae)): > 10 - 100 i h on data from similar materials
				mg/l Exposure time: 96	um capricornutum (green algae)): > 0.1 - 1 5 h on data from similar materials
	Toxicity icity)	to fish (Chronic tox-	:	Exposure time: 72	chus mykiss (rainbow trout)): > 0.1 - 1 mg/l d on data from similar materials
		to daphnia and other invertebrates (Chron- ty)	:	Exposure time: 21	nagna (Water flea)): > 1 mg/l d on data from similar materials
	Toxicity	to microorganisms	:	Exposure time: 3 Method: OECD Te	
	2-Meth	ylnaphthalene:			
	Toxicity		:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 1.456 mg/l i h

according to the Hazardous Products Regulations



rsion	Revision Date: 10/20/2023		9S Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023
	ity to daphnia and other tic invertebrates	:	Exposure time: 4	nagna (Water flea)): 1.39 mg/l 8 h ēst Guideline 202
Toxic plants	ity to algae/aquatic s	:	ErC50 (Pseudok mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 1.92 2 h
			NOEC (Pseudok mg/l Exposure time: 7	irchneriella subcapitata (green algae)): 0.28 2 h
	ity to daphnia and other tic invertebrates (Chron- icity)	:	Exposure time: 2	magna (Water flea)): 0.233 mg/l 1 d ēst Guideline 211
Persi	stence and degradabili	ity		
Com	ponents:			
	llates (petroleum), hydr	otre	-	ie de sue deble
BIODE	egradability	:	Result: Readily b Biodegradation: Exposure time: 2 Method: OECD 1	82 %
2-(2-I	Butoxyethoxy)ethanol:			
Biode	egradability	:	Result: Readily b Biodegradation: Exposure time: 2 Method: OECD 1	85 %
Buta	ne:			
	egradability	:	Result: Readily b Biodegradation: Exposure time: 3 Remarks: Based	100 %
Prop	ane:			
Disala	egradability	:	Result: Readily b Biodegradation: Exposure time: 3	
BIODE			Remarks: Based	85.5 h on data from similar materials
	-C16) Alkylbenzenesulf	onio		on data from similar materials

according to the Hazardous Products Regulations



ENGINE SHAMPOO, 482 g

Version 1.0	Revision Date: 10/20/2023		DS Number: 286583-00001	Date of last issue: - Date of first issue: 10/20/2023
Biode	egradability	:	Result: Readily b Biodegradation: Exposure time: 20 Method: OECD T	61.8 %
Bioa	ccumulative potential			
<u>Com</u>	ponents:			
Parti	Butoxyethoxy)ethanol: tion coefficient: n- nol/water	:	log Pow: 1	
	n e: tion coefficient: n- nol/water	:	log Pow: 2.31	
(C10	-C16) Alkylbenzenesulf	oni	c acid, sodium sa	lt:
	tion coefficient: n- nol/water	:	log Pow: < 4 Remarks: Expert	judgment
2-Me	ethylnaphthalene:			
	tion coefficient: n- nol/water	:	log Pow: 3.86	
	ility in soil ata available			
	er adverse effects			
No d	ata available			
SECTION	I 13. DISPOSAL CONSI	DEF	ATIONS	
Disp	osal methods			
-	te from residues	:	Do not dispose of	f waste into sewer.
			Dispose of in acc	ordance with local regulations.
Cont	aminated packaging	:	(including propell Empty containers	erosol cans are sprayed completely empty ant) s should be taken to an approved waste recycling or disposal.

Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

according to the Hazardous Products Regulations



ENGINE SHAMPOO, 482 g

VersionRevision Date:SDS Number:Date of last issue: -1.010/20/202311286583-00001Date of first issue: 10/20/2023

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name Class Packing group Labels Environmentally hazardous	:	UN 1950 AEROSOLS 2.1 Not assigned by regulation 2.1 no
IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)		UN 1950 Aerosols, flammable 2.1 Not assigned by regulation Flammable Gas 203 203
IMDG-Code UN number Proper shipping name	:	UN 1950 AEROSOLS
Class Packing group Labels EmS Code Marine pollutant	:	2.1 Not assigned by regulation 2.1 F-D, S-U no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

TDG UN number Proper shipping name	:	UN 1950 AEROSOLS
Class Packing group Labels ERG Code Marine pollutant	:	2.1 Not assigned by regulation 2.1 126 no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION



according to the Hazardous Products Regulations

ENGINE SHAMPOO, 482 g

Version 1.0	Revision Date: 10/20/2023	SDS Number: 11286583-00001	Date of last issue: - Date of first issue: 10/20/2023
	ile organic compound) content	 Canada - Volatile Certain Products VOC content: 10 	0
The ii	ngredients of this pro	duct are reported in t	the following inventories:
DSL		1999 and NSNR	stances in this product comply with the CEPA and are on or exempt from listing on the stic Substances List (DSL).

SECTION 16. OTHER INFORMATION

Full text of other abbreviations					
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)			
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)			
CA BC OEL	:	Canada. British Columbia OEL			
CA ON OEL	:	Ontario Table of Occupational Exposure Limits made under the Occupational Health and Safety Act.			
CA QC OEL	:	Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants			
ACGIH / TWA	:	8-hour, time-weighted average			
ACGIH / STEL	:	Short-term exposure limit			
ACGIH / SL	:	Threshold Limit Value-Surface Limit (TLV-SL)			
CA AB OEL / TWA	:	8-hour Occupational exposure limit			
CA BC OEL / TWA	:	8-hour time weighted average			
CA ON OEL / TWA	:	Time-Weighted Average Limit (TWA)			
CA QC OEL / TWAEV	:	Time-weighted average exposure value			

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose): MARPOL - International Convention for the Prevention of Pollution from Ships: n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substanc-

according to the Hazardous Products Regulations



ENGINE SHAMPOO, 482 g

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	10/20/2023	11286583-00001	Date of first issue: 10/20/2023

es; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/
Revision Date Date format	:	10/20/2023 mm/dd/yyyy

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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