

SAFETY DATA SHEET STP® Brake Parts Cleaner Professional

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended).

SECTION 1: Identification of	the substance/mixture and of the company/undertaking					
1.1. Product identifier						
Product name	STP® Brake Parts Cleaner Professional					
Product number	72500					
1.2. Relevant identified uses	of the substance or mixture and uses advised against					
Identified uses	Automotive brake parts cleaner.					
Uses advised against	No specific uses advised against are identified.					
1.3. Details of the supplier of	f the safety data sheet					
Supplier	Energizer Trading Ltd Sword House Totteridge Road High Wycombe HP13 6DG UK Tel: +44 845 602 1995 euregulatory@energizer.com					
1.4. Emergency telephone n	umber					
Emergency telephone	+44 1495 350234 Monday - Thursday: 0830 - 1700 Friday: 0830 - 1530					
SECTION 2: Hazards identif	ication					
2.1. Classification of the sub	stance or mixture					
Classification (SI 2019 No. 7	<u>720)</u>					
Physical hazards	Aerosol 1 - H222, H229					
Health hazards	Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304					
Environmental hazards	Aquatic Chronic 2 - H411					
Physicochemical	Containers can burst violently or explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.					
2.2. Label elements						
Hazard pictograms						
	₩2					

Signal word

Danger

Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	 P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P280 Wear protective clothing, gloves, eye and face protection. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTRE/doctor if you feel unwell. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/ container in accordance with national regulations.
Contains	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Detergent labelling	≥ 30% aliphatic hydrocarbons
Supplementary precautionary statements	 P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics		
CAS number: —	EC number: 927-510-4	
Classification		
Flam. Liq. 2 - H225		
Skin Irrit. 2 - H315		
STOT SE 3 - H336		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		

Hydrocarbons, C3-4-rich, pet	roleum distillate 25 - <50%					
CAS number: 68512-91-4	CAS number: 68512-91-4 EC number: 270-990-9					
Contains <0.1% w/w 1,3-buta	diene (CAS: 106-99-0).					
Classification Flam. Gas 1A - H220 Press. Gas (Liq.) - H280						
The full text for all hazard state	ements is displayed in Section 16.					
SECTION 4: First aid measure	95					
4.1. Description of first aid me	asures					
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.					
Ingestion	Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if any discomfort continues.					
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Do not use organic solvents. Get medical attention if any discomfort continues.					
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.					
4.2. Most important symptoms and effects, both acute and delayed						
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.					
Ingestion	May cause discomfort if swallowed.					
Skin contact	Prolonged skin contact may cause redness and irritation.					
Eye contact	Prolonged contact may cause redness and/or tearing.					
4.3. Indication of any immedia	te medical attention and special treatment needed					
Notes for the doctor	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.					
SECTION 5: Firefighting meas	sures					
5.1. Extinguishing media						
Suitable extinguishing media	Extinguish with the following media: Dry chemicals, sand, dolomite etc. Carbon dioxide (CO2). Water spray, fog or mist.					
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.					
5.2. Special hazards arising from the substance or mixture						
Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. Bursting aerosol containers may be propelled from a fire at high speed.					
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.					
5.3. Advice for firefighters						

Protective actions during firefighting	Use water to keep fire exposed containers cool and disperse vapours.					
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials. Wear positive-pressure self- contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.					
SECTION 6: Accidental releas	e measures					
6.1. Personal precautions, pro	tective equipment and emergency procedures					
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all ignition sources if safe to do so. Avoid contact with skin and eyes.					
6.2. Environmental precaution	<u>S</u>					
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.					
6.3. Methods and material for	containment and cleaning up					
Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Eliminate all ignition sources if safe to do so. Do not touch or walk into spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Use only non-sparking tools. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.					
6.4. Reference to other section						
Reference to other sections	See Section 11 for additional information on health hazards. For waste disposal, see Section 13.					
SECTION 7: Handling and sto	rage					
7.1. Precautions for safe hand	ling					
Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from heat, sparks and open flame. Provide adequate ventilation.					
Advice on general occupational hygiene	Avoid contact with eyes and prolonged skin contact. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.					
7.2. Conditions for safe storage, including any incompatibilities						
Storage precautions	Store in a cool and well-ventilated place. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges.					
7.3. Specific end use(s)						
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.					
SECTION 8: Exposure control	s/Personal protection					

8.1. Control parameters

Occupational exposure limits

Hydrocarbons, C3-4-rich, petroleum distillate

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³ Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³

Carbon dioxide

Long-term exposure limit (8-hour TWA): WEL 5000 ppm 9150 mg/m³ Short-term exposure limit (15-minute): WEL 15000 ppm 27400 mg/m³ WEL = Workplace Exposure Limit.

8.2. Exposure controls

Appropriate engineering controls	Provide adequate ventilation. All handling should only take place in well-ventilated areas. Avoid inhalation of vapours and spray/mists. Use explosion-proof electrical, ventilating and lighting equipment.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Do not smoke in work area. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties			
Appearance	Aerosol.		
Colour	Colourless.		
Odour	Hydrocarbons.		
Odour threshold	Not determined.		
рН	Not determined.		
Melting point	Not determined.		
Initial boiling point and range	Not determined.		
Flash point	Not determined.		
Evaporation rate	Not determined.		
Evaporation factor	Not determined.		
Flammability (solid, gas)	Not determined.		
Upper/lower flammability or explosive limits	Not determined.		
Vapour pressure	5000 - 7000 mbar @ 25°C		
Vapour density	Not determined.		
Relative density	Not determined.		
Bulk density	600 - 700 kg/m³		
Solubility(ies)	Immiscible with water.		
Partition coefficient	Not determined.		

Auto-ignition temperature	Not determined.				
Decomposition Temperature	Not determined.				
Viscosity	Not determined.				
Explosive properties	Not considered to be explosive.				
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.				
9.2. Other information					
Volatile organic compound	100 %				
SECTION 10: Stability and rea	activity				
10.1. Reactivity					
Reactivity	There are no known reactivity hazards associated with this product.				
10.2. Chemical stability					
Stability	Stable at normal ambient temperatures and when used as recommended.				
10.3. Possibility of hazardous	reactions				
Possibility of hazardous reactions	Will not polymerise.				
10.4. Conditions to avoid					
Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition. Avoid the accumulation of vapours in low or confined areas.				
10.5. Incompatible materials					
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.				
10.6. Hazardous decompositio	on products				
Hazardous decomposition products	Does not decompose when used and stored as recommended. Decomposition at ambient temperatures may generate the following substances: Carbon dioxide (CO2). Carbon monoxide (CO). Acrid smoke or fumes.				
SECTION 11: Toxicological int	formation				
11.1. Information on toxicologi	cal effects				
Acute toxicity - oral Notes (oral LD∞)	Based on available data the classification criteria are not met.				
Acute toxicity - dermal Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.				
Acute toxicity - inhalation Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.				
Skin corrosion/irritation Skin corrosion/irritation	Skin Irrit. 2 - H315 Causes skin irritation.				
Serious eye damage/irritation Serious eye damage/irritation	Based on available data the classification criteria are not met.				
Respiratory sensitisation					

Respiratory s	ensitisation	Based or	n available data the classification criteria are not met.
Skin sensitisa	ation		
Skin sensitisa	ensitisation Based or		n available data the classification criteria are not met.
Germ cell mu	tagenicity		
Genotoxicity -			n available data the classification criteria are not met.
Genotoxicity -	i ty - in vivo Based or		n available data the classification criteria are not met.
Carcinogenic	ity		
Carcinogenic			n available data the classification criteria are not met.
Reproductive	toxicity		
Reproductive	toxicity - fertility	Based or	n available data the classification criteria are not met.
Specific targe	et organ toxicity - s	ingle exp	osure
STOT - single	e exposure	STOT SE	E 3 - H336 May cause drowsiness or dizziness.
Specific targe	et organ toxicity - re	epeated e	exposure
			n available data the classification criteria are not met.
Aspiration ha	zard		
Aspiration ha		Asp. Tox	. 1 - H304 May be fatal if swallowed and enters airways.
-	information on ing	rediente	
			Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
4	Acute toxicity - ora	<u>l</u>	
	Acute toxicity oral (LD₅₀ mg/kg)		5,840.0
:	Species		Rat
I	Notes (oral LD₅₀)		REACH dossier information. Read-across data.
	ATE oral (mg/kg)		5,840.0
4	Acute toxicity - der	mal	
	Acute toxicity dermal (LD₅₀ mg/kg)		2,800.0
:	Species		Rat
I	Notes (dermal LD₅	ю)	REACH dossier information. Read-across data.
	ATE dermal (mg/k	g)	2,800.0
4	Acute toxicity - inh	alation	
	Acute toxicity inha (LC₅₀ vapours mg/		23.3
:	Species		Rat
I	Notes (inhalation L	_C50)	REACH dossier information. Read-across data.
	ATE inhalation (va mg/l)	pours	23.3
1	Skin corrosion/irrit	ation	

Animal data	Dose: 0.5 ml, 4 hours, Rabbit Primary dermal irritation index: 1.42 Read-across data. REACH dossier information. Skin Irrit. 2 - H315			
Serious eye damage/irritat	tion			
Serious eye damage/irritation	Dose: 0.2 ml, 7 days, Rabbit REACH dossier information. Based on available data the classification criteria are not met. Read-across data.			
Skin sensitisation				
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Read-across data. Based on available data the classification criteria are not met.			
Germ cell mutagenicity				
Genotoxicity - in vitro	Chromosome aberration: Negative. REACH dossier information. Read-across data.			
Reproductive toxicity				
Reproductive toxicity - fertility	Two-generation study - NOAEL 10560 mg/m ³ , Inhalation, Rat F1 REACH dossier information. Based on available data the classification criteria are not met. Read-across data.			
Reproductive toxicity - development	Developmental toxicity: - NOAEC: 1200 ppm, Inhalation, Rat REACH dossier information. Read-across data. No evidence of reproductive toxicity in animal studies.			
	Hydrocarbons, C3-4-rich, petroleum distillate			
Germ cell mutagenicity				
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information.			
Reproductive toxicity				
Reproductive toxicity - fertility	One-generation study - NOAEC 10000 ppm, Inhalation, Rat P REACH dossier information.			
Reproductive toxicity - development	Developmental toxicity: - NOAEC: 10426 ppm, Inhalation, Rat REACH dossier information.			

SECTION 12: Ecological information

12.1. Toxicity

Toxicity

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Acute aquatic toxicity	
Acute toxicity - fish	LL₅o, 96 hours: > 13.4 mg/l, Oncorhynchus mykiss (Rainbow trout) REACH dossier information.
Acute toxicity - aquatic invertebrates	EL₅o, 48 hours: 3 mg/l, Daphnia magna REACH dossier information. Read-across data.
Acute toxicity - aquatic plants	EL₅₀, 72 hours: 29 mg/l, Selenastrum capricornutum REACH dossier information. Read-across data.

	Acute toxicity - microorganisms		EL₅₀, 48 hours: 26.81 mg/l, Tetrahymena pyriformis QSAR REACH dossier information.		
	Chronic aquatic t	oxicity			
	NOEC		0.01 < NOEC ≤ 0.1		
	Chronic toxicity - life stage	fish early	NOELR, 28 days: 1.534 mg/l, Oncorhynchus mykiss (Rainbow trout) QSAR REACH dossier information.		
	Chronic toxicity - invertebrates	aquatic	NOELR, 21 days: 1 mg/l, Daphnia magna REACH dossier information. Read-across data.		
			Hydrocarbons, C3-4-rich, petroleum distillate		
	Acute aquatic tox	<i>cicity</i>			
	Acute toxicity - fis	sh	LC₅₀, 96 hours: 49.47 mg/l, Fish REACH dossier information. QSAR		
12.2. Persis	tence and degrada	ability			
Persistence	and degradability	There are	e no data on the degradability of this product.		
Ecological i	nformation on ingre	edients.			
			Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics		
	Biodegradation		Water - Degradation (83%): 16 days Water - Degradation (98%): 28 days Read-across data. REACH dossier information. The substance is readily biodegradable.		
	Hydrocarbons, C3-4-rich, petroleum distillate				
Phototransformation		tion	Water - DT₅₀ : 1906 days REACH dossier information. Calculation method.		
Biodegradation			Water - Degradation (100%): 385.5 hours REACH dossier information. The substance is readily biodegradable.		
12.3. Bioac	cumulative potentia	al			
Bioaccumul	ative potential	No data a	available on bioaccumulation.		
Partition co	efficient	Not deter	rmined.		
Ecological information on ingredients.					
			Hydrocarbons, C3-4-rich, petroleum distillate		
	Partition coefficie	ent	log Pow: 2.3058 REACH dossier information. QSAR		
12.4. Mobili	ty in soil				
Mobility	<u> </u>	The prod	luct is insoluble in water.		

Ecological information on ingredients.		
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics		
Surface tension	20.7 mN/m @ 25°C REACH dossier information.	
12.5. Results of PBT and vPvB assessment		
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.	
12.6. Other adverse effects		
Other adverse effects	Not determined.	
SECTION 13: Disposal conside	erations	
13.1. Waste treatment methods		
General information	Dispose of waste product or used containers in accordance with local regulations Do not puncture or incinerate, even when empty.	
Disposal methods	Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.	
SECTION 14: Transport inform	ation	
14.1. UN number		
UN No. (ADR/RID)	1950	
UN No. (IMDG)	1950	
UN No. (ICAO)	1950	
UN No. (ADN)	1950	
14.2. UN proper shipping name		
Proper shipping name (ADR/RID)	AEROSOLS	
Proper shipping name (IMDG)	AEROSOLS	
Proper shipping name (ICAO)	AEROSOLS	
Proper shipping name (ADN)	AEROSOLS	
14.3. Transport hazard class(e	<u>s)</u>	
ADR/RID class	2.1	
ADR/RID classification code	5F	
ADR/RID label	2.1	
IMDG class	2.1	
ICAO class/division	2.1	
ADN class	2.1	
Transport labels		



Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2

ADR transport category

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits. The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IMDG: International Maritime Dangerous Goods. IATA: International Air Transport Association. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ATE: Acute Toxicity Estimate. DNEL: Derived No Effect Level. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. BCF: Bioconcentration Factor.
Classification procedures according to SI 2019 No. 720	Aerosol 1 - H222, H229: Expert judgement. Skin Irrit. 2 - H315, STOT SE 3 - H336, Asp. Tox. 1 - H304, Aquatic Chronic 2 - H411: Calculation method.
Revision comments	Section 3: Composition/information on ingredients // 3.2 Mixtures.
Revision date	28/07/2021
Revision	12
Supersedes date	02/06/2021

SDS number	442
Hazard statements in full	H220 Extremely flammable gas.
	H222 Extremely flammable aerosol.
	H225 Highly flammable liquid and vapour.
	H229 Pressurised container: may burst if heated.
	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.
	H411 Toxic to aquatic life with long lasting effects.

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