

SAFETY DATA SHEET

1.1. Product identifier	for the substance/mixture and of the company/undertaking
Trade name or designation of the mixture	Husqvarna XP Power 2
Registration number	-
Synonyms	None.
Product number	583 95 29-04 (200L); 583 95 29-03 (60L); 583 95 29-02 (25L), 583 95 29-01 (5L); 589 22 76-10 (5L); 582 20 20-05 (5L), 589 22 76-01 (1L)
Issue date	03-June-2020
Version number	01
Revision date	-
Supersedes date	-
1.2. Relevant identified uses of	the substance or mixture and uses advised against
Identified uses	Petrol for 2-stroke engine.
Uses advised against	None known.
1.3. Details of the supplier of the	ne safety data sheet
Company name	Husqvarna AB
	Drottninggatan 2
	561 82 Huskvarna, Sweden
Telephone	+46 (0)36-14 65 00
Contact person	Accessory Department
E-mail	sds.info@husqvarnagroup.com
1.4. Emergency telephone number	+1-760-476-3961 (Access code 333721)
General in EU	112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
SECTION 2: Useranda ida	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards				
Flammable liquids	Flammable liquids		H224 - Extremely flammable liquid and vapour.	
Health hazards				
Skin corrosion/irritation		Category 2	H315 - Causes skin irritation.	
Specific target organ to exposure	Specific target organ toxicity - single exposure		H336 - May cause drowsiness or dizziness.	
Aspiration hazard	Aspiration hazard		H304 - May be fatal if swallowed and enters airways.	
Environmental hazards				
Hazardous to the aquatic environment, long-term aquatic hazard		Category 2	H411 - Toxic to aquatic life with long lasting effects.	
Hazard summary	cause drowsine	May be ignited by heat, sparks or flames. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness. Causes skin irritation. Dangerous for the environment if discharged into watercourses.		

2.2. Label elements

Contains:

Label according to Regulation (EC) No. 1272/2008 as amended

Low boiling point naphtha (Gasoline)

Hazard pictograms



Signal word	Danger
Hazard statements	
H224	Extremely flammable liquid and vapour.
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.
Precautionary statements	
Prevention	
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331	Do NOT induce vomiting.
Storage	Not assigned.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	None.
2.3. Other hazards	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Naphtha (petroleum), full-ı alkylate, butane-contg	range	67 - 74	68527-27-5 271-267-0	01-2119471477-29-0018	649-282-00-2	
	Flam. Liq. Chronic 2;I		Tox. 1;H304, Skin li	rit. 2;H315, STOT SE 3;H33	36, Aquatic	Р
Hydrocarbons, C >= 5, C5	-6-Rich	26 - 33	68476-50-6 270-690-8	01-2119489866-14-0003	649-401-00-8	
	Flam. Liq. Chronic 2;ł	, , ,	Tox. 1;H304, Skin li	rit. 2;H315, STOT SE 3;H33	36, Aquatic	
Fully synthetic 2-stroke oil		2	-	-	-	
			-			
Classification:	-					

List of abbreviations and symbols that may be used above

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The product is an alkylate gasoline mixed with a fully synthetic 2-stroke oil. The following compounds may be present: Benzene (CAS 71-43-2) <0.1% v/v; n-hexane (CAS 110-54-3) <0.5% v/v; aromatic hydrocarbons <0.5% v/v.

Composition comments

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

 General information
 Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

 4.1. Description of first aid measures
 Inhalation

 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

initiation	CENTRE or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Husqvarna XP Power 2

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

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

Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain.

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards	Extremely flammable liquid and vapour.
5.1. Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
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	Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
SECTION 6: Accidental rol	lassa massuras

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.
6.2. Environmental precautions	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.
6.3. Methods and material for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.
SECTION 7: Handling and	storage
7.1. Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
7.3. Specific end use(s)	Petrol for 2-stroke engine.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters	
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Follow standard monitoring procedures.
Darivad no offact lovals (DNELs	

Derived no effect levels (DNELs)

General Population				
Components		Value	Assessment facto	r Notes
Low boiling point naphtha (Gas	soline) (CAS -)			
Long-term, Local, Inhalatio		180 mg/m3		
Short-term, Local, Inhalati Short-term, Systemic, Inha		640 mg/m3 1200 mg/m3		
		1200 mg/mo		
<u>Workers</u>		Value	Assessment facto	r Notes
Components Low boiling point naphtha (Gas	coline) (CAS -)	Value	Assessment lacto	Notes
Long-term, Local, Inhalatio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	840 mg/m3		
Short-term, Local, Inhalati		1100 mg/m3		
Short-term, Systemic, Inha		1300 mg/m3		
Predicted no effect	Not available.			
concentrations (PNECs)				
8.2. Exposure controls				
Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommende exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.		se process enclosures, local orne levels below recommended intain airborne levels to an	
Individual protection measures, s	such as person	al protective equipn	nent	
General information				ion equipment should be chosen er of the personal protective
Eye/face protection	Wear safety gla	asses with side shield	s (or goggles). Face shield is	recommended.
Skin protection				
- Hand protection	(EN 374) with a	a protective index 6 (>	gloves. Select suitable chen 480min permeation time). G d by the glove supplier.	nical resistant protective gloves love material: Nitrile rubber.
- Other	Wear appropria	ate chemical resistant	clothing.	
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece. Use filter type AX according to EN 14387.			
Thermal hazards	Wear appropria	ate thermal protective	clothing, when necessary.	
Hygiene measures	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.			
Environmental exposure controls	with the require	ements of environmen odifications to the proc	tal protection legislation. Fur	checked to ensure they comply ne scrubbers, filters or ssary to reduce emissions to

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Mobile. Liquid.
Colour	Blue.
Odour	Hydrocarbon. Mild.
Odour threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.

Initial boiling point and boiling	30 - 200 °C (86 - 392 °F)
range	
Flash point	< 0 °C (< 32.0 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	7.6 %
Flammability limit - upper (%)	1.4 %
Vapour pressure	50 - 65 kPa (38 °C)
Vapour density	> 3 Air = 1
Relative density	0.68 - 0.72 (15.4 °C)
Solubility(ies)	< 50 μg/l (20 °C)
Partition coefficient (n-octanol/water)	Log Kow: >3
Auto-ignition temperature	400 °C (752 °F) Approx.
Decomposition temperature	Not available.
Viscosity	< 1 mm²/s (kinematic) (38 °C)
Explosive properties	Not explosive.
Oxidising properties	Not oxidising. Does not meet the criteria as an oxidizer.
9.2. Other information	No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

LC50

Oral LD50

Skin corrosion/irritation

General information	Occupational exposure to the substance or mixture may cause adverse effects.			
Information on likely routes of exposure				
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting.			
Skin contact	Causes skin irritation.			
Eye contact	Direct contact with eyes may cause temporary irritation.			
Ingestion	Droplets of the product as chemical pneumonia.	pirated into the lungs through ingestion or vomiting may cause a serious		
Symptoms	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain.			
11.1. Information on toxicological effects				
Acute toxicity	May be fatal if swallowed and enters airways. Narcotic effects.			
Components	Species	Test Results		
Low boiling point naphtha (Gasoline) (CAS -)				
Acute				
Dermal				
LD50	Rabbit	> 2000 mg/kg		
Inhalation				

> 5.2 mg/l

> 5000 mg/kg

Rat

Rat

Causes skin irritation.

Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory sensitisation	Due to partial or complete lack of data the classification is not possible.
Skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	May be fatal if swallowed and enters airways.
Mixture versus substance information	No information available.
Other information	No additional adverse health effects noted.

SECTION 12: Ecological information

12.1. Toxicity	May cause	e long lasting harmful effects to aquatic life	
Product		Species	Test Results
Husqvarna XP Power 2 (CAS Mix	xture)		
Aquatic			
Algae	NOEC	Pseudokirchneriella subcapitata	100 mg/l, 72 Hours OECD 201, ref. report 081/15
Crustacea	NOEC	Daphnia magna	100 mg/l, 48 Hours OECD 202, ref. report 086/15
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	> 100 mg/l, 72 Hours OECD 201, ref. report 081/15
Crustacea	EC50	Daphnia magna	> 100 mg/l, 48 Hours OECD 202, ref. report 086/15
Components		Species	Test Results
Naphtha (petroleum), full-range a	alkylate, butan	e-contg (CAS 68527-27-5)	
Aquatic			
Acute			
Algae	EL50	Pseudokirchnerella subcapitata	3.1 mg/l, 72 hours (OECD 201)
Crustacea	EL50	Daphnia magna	4.5 mg/l, 48 hours (OECD 202)
Fish	LL50	Pimephales promelas	8.2 mg/l, 96 hours (EPA 66013-75-009
Chronic			
Crustacea	NOELR	Daphnia magna	2.6 mg/l, 21 days (OECD 211)
I2.2. Persistence and legradability	Expected to be inherently biodegradable.		
2.3. Bioaccumulative potentia	l		
Partition coefficient n-octanol/water (log Kow) Husqvarna XP Power 2		> 3 (Log Kow)	
Bioconcentration factor (BCF)	Not available.		
2.4. Mobility in soil	No data available.		
2.5. Results of PBT and vPvB assessment	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.		
2.6. Other adverse effects	The product contains volatile substances, which may spread in the atmosphere.		
SECTION 13: Disposal co	onsideratio	ns	
3.1. Waste treatment methods	5		
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Residual waste

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.			
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.			
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.			
Special precautions	Dispose in accordance with all applicable regulations.			
SECTION 14: Transport information				
ADR				
14.1. UN number	UN1203			
14.2. UN proper shipping name	GASOLINE			
14.3. Transport hazard class(es)				
Class	3			
Subsidiary risk	-			

3 Label(s) Hazard No. (ADR) 33 Tunnel restriction code D/E 14.4. Packing group Ш 14.5. Environmental hazards Yes Read safety instructions, SDS and emergency procedures before handling. 14.6. Special precautions for user RID 14.1. UN number UN1203 GASOLINE 14.2. UN proper shipping name 14.3. Transport hazard class(es) Class 3 Subsidiary risk _ Label(s) 3 14.4. Packing group Ш 14.5. Environmental hazards Yes 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user ADN 14.1. UN number UN1203 14.2. UN proper shipping GASOLINE name 14.3. Transport hazard class(es) 3 Class Subsidiary risk _ 3 Label(s) Ш 14.4. Packing group 14.5. Environmental hazards Yes Read safety instructions, SDS and emergency procedures before handling. 14.6. Special precautions for user ΙΑΤΑ UN1203 14.1. UN number Gasoline 14.2. UN proper shipping name 14.3. Transport hazard class(es) 3 Class Subsidiary risk -Ш 14.4. Packing group 14.5. Environmental hazards Yes ERG Code 3H 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user IMDG UN1203 14.1. UN number GASOLINE 14.2. UN proper shipping name

14.3. Transport hazard class	(es)
Class	3
Subsidiary risk	-
14.4. Packing group 14.5. Environmental hazards	II
Marine pollutant	Yes
EmS	F-E, S-E
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
SECTION 15: Regulatory in	Iformation
15.1. Safety, health and environm	nental regulations/legislation specific for the substance or mixture
EU regulations	
Regulation (EC) No. 1005/200 Not listed.	09 on substances that deplete the ozone layer, Annex I and II, as amended
	4 On persistent organic pollutants, Annex I as amended
	2 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
Regulation (EU) No. 649/2012 Not listed.	2 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
Regulation (EU) No. 649/2012 Not listed.	2 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
Regulation (EU) No. 649/2012 Not listed.	2 concerning the export and import of dangerous chemicals, Annex V as amended
Regulation (EC) No. 166/2006 Not listed.	6 Annex II Pollutant Release and Transfer Registry, as amended
Regulation (EC) No. 1907/200 Not listed.	06, REACH Article 59(10) Candidate List as currently published by ECHA
Authorisations	
Regulation (EC) No. 1907/200 Not listed.	06, REACH Annex XIV Substances subject to authorisation, as amended
Restrictions on use	
Regulation (EC) No. 1907/200	06, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed. Directive 2004/37/EC: on the work, as amended.	protection of workers from the risks related to exposure to carcinogens and mutagens at
Not listed.	
Other EU regulations Directive 2012/18/EU on main	or accident hazards involving dangerous substances, as amended
Not listed.	
Other regulations	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Directive 2012/18/EU on major accident hazards involving dangerous substances: Part 2 (Named dangerous substances) - 34. Petroleum products and alternative fuels.
National regulations	Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.
	Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.
15.2. Chemical safety assessment	Chemical Safety Assessment has been carried out.
SECTION 16: Other inform	ation

List of abbreviations

PBT: Persistent, bioaccumulative and toxic.

	vPvB: Very Persistent and very Bioaccumulative.
	CEN: European Committee for Standardisation.
	EC50: Effective Concentration, 50%. EL50: Effective level. 50%.
	LC50: Lethal Concentration, 50%.
	LD50: Lethal Dose, 50%.
	LL50: Lethal level, 50%.
	NOEC: No observed effect concentration.
	NOEL: No observed effect level.
References	ECHA registered substances database
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any H-statements not written out in full under	
Sections 2 to 15	H224 Extremely flammable liquid and vapour.
	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.
Training information	Follow training instructions when handling this material.
Disclaimer	Husqvarna AB cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.