

SAFETY DATA SHEET (SDS)

Engine Flush 200 km

TS 20.41.32-005-34736020-2019

FEACN code 3811 21 000 0

Date of issue: 22/09/2020

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1. Product identifier	
Trade name:	Engine Flush 200 km of trademarks: "ATOMIUM "A-PROHIM", "SUPROTEC "A-PROHIM", "NANOPROTEC "A-PROHIM"
Substance name:	None
EC number:	None
Registration number (REACH):	Not included
Index number:	None
CAS number:	None
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Identified uses	The product is intended for effective and guaranteed removal of scale, slag and deposits from the channels and internal cavities of oil system; -for improvement of oil circulation and heat removal from engine parts; -for recovery of movability of oil scraper ring and compressor ring. The product is safe for rubber sealing, glands, valve stem seals; compatible with all types of engine oils and engines (including turbocharge).
Uses advised against:	When working with the product the measures on ecological safety and personnel safety provision shall be observed; it is necessary to use personal protective equipment.
1.3. Details of the supplier of the safety data sheet	
Company name:	L.L.C. "Scientific-Production Trading Company "SUPROTEC EU s.r.o."
Company address	100 00, Czech Republic, Kubanske namesti 1391/11. Praha 10
Contact name	
Phone / Fax:	+420 217 217 777
Email	info@atomium.eu
1.4 Emergency telephone number	
Information on emergency response:	112 (European Union), 112 and 911 (the United States of America, Canada)
Other information:	English transcription of product name: "Engine Flush 200 km"
2. SECTION 2: HAZARDS IDENTIFICATIONS	
2.1. Classification of the substance or mixture	
Classification according to Regulation (EC) No 1272/2008 (CLP)	Acute toxicity (oral), Hazard Category 4; H302 Specific target organ toxicity - single exposure, hazard category 3 (respiratory tract irritation); H335 Specific target organ toxicity - single exposure, hazard category 3 (narcosis); H336 Specific target organ toxicity - repeated exposure, hazard category 1; H372 For full text of Hazard- and EU Hazard-statements: see SECTION 16.
2.2. Label elements	
Hazard pictograms:	 
	GHS07 GHS08
Signal word:	DANGER
Hazard statements:	H302: Harmful if swallowed H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H372: Causes damage to organs through prolonged or repeated exposure

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Precautionary statements:

PREVENTION:

P260: Do not breathe mist/vapours/spray

P264: Wash hands thoroughly after handling

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area;

RESPONSE:

P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

P330: Rinse mouth

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing;

P312: Call a doctor if you feel unwell;

STORAGE:

P403 + P233: Store in a well-ventilated place. Keep container tightly closed;

P405: Store locked up;

DISPOSAL:

P501: Dispose of contents and container in accordance with local and national regulation.

No EUH-statements.

Supplemental Hazard
information (EU)

2.3. Other hazards

Product doesn't meet the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006 (Annex XIII).

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Substance name	Substance identity	Classification according to Regulation (EC) No 1272/2008 (CLP)	Weight % content (or range)
Lubricating oils	Index: 649-484-00-0 REACH: 01-2119495601-36 EC: 278-012-2 CAS: 74869-22-0	Not Classified	> 75
stoddard solvent	Index: 649-345-00-4 REACH: 01-2120261965-45 EC: 232-489-3 CAS: 8052-41-3	Asp. Tox. 1; H304 STOT RE 1; H372	15-30
Polyisobutylene	Index: - REACH: - EC: 618-360-8 CAS: 9003-27-4	Not Classified	≤ 6
2-butoxyethanol	Index: 603-014-00-0 REACH: 01-2119475108-36 EC: 203-905-0 CAS: 111-76-2	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332	≤ 5
Geo-modifying agent of friction (ultrafine minerals on the base of serpentine)	Index: - REACH: - EC: 601-773-2, 238-877-9 CAS: 12135-86-3, 14807-96-6	Not classified	< 1

4. SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

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General notes:	During work with the product one should observe personal hygiene measures; prevent its penetration inside the body, contact with skin and eyes, avoid inhalation of vapours and sprays
Following inhalation:	Remove a victim to fresh air, rinse mouth with water. If required - obtain medical attention
Following skin contact:	Remove contaminated clothes. Remove the product with a cotton ball, wiping waste or cloth. Rinse skin with running water with soap, wipe dry, smear with Vaseline or soothing cream. If required - obtain medical attention
Following eye contact:	Rinse with running water for at least 15 minutes. If required - obtain medical attention.
Following ingestion:	Rinse mouth with water, increased fluid intake, activated carbon, saline purgative. Do not cause vomiting! In case of unprompted vomiting provide the injured with position of his head low down. Immediately seek for medical attention.
Self-protection of the first aider	Wear appropriate personal protective equipment (PPE) as specified in SECTION 8.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation:	Weakness, headache, dizziness, throat irritation, cough, feeling of intoxication, impaired coordination of movements and breathing rhythm
Skin contact:	Dryness, peeling, possible reddening.
Eye contact:	Eyes tearing, light irritation, reddening.
Ingestion:	Nausea, vomiting, diarrhea, abdominal pain; in severe cases - cramps, loss of consciousness
4.3. Indication of any immediate medical attention and special treatment needed	
Notes for the doctor:	Treat symptomatically.
Special treatment:	No specific treatment.

5. SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water spray, dry chemical powder, foam, carbon dioxide.
Unsuitable extinguishing media: Full water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazard: Combustible liquid.
Hazardous combustion products: Carbon dioxide, carbon monoxide, sulfur dioxide.

5.3. Advice for firefighters

Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Use water spray to cool tanks/containers exposed to heat, remove them into safety. Extinguish from the windward side of fire with safe distance.
Special protective equipment for fire-fighters: Wear full protective clothing conforming to EN 469 and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Wear other appropriate protective equipment as conditions warrant (see SECTION 8).

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Protective equipment: Wear appropriate personal protective equipment (PPE) as specified in SECTION 8.
Emergency procedures: Stop or contain leak at the source if safe to do so. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Stay upwind. In case of large spillages, alert occupants in downwind areas. Keep non-involved personnel away from the area of spillage. Alert emergency personnel. Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares).
For emergency responders: Ensure procedures and training for emergency decontamination and disposal are in place. Wear appropriate personal protective equipment (PPE) as specified in SECTION 8.

6.2. Environmental precautions

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Environmental precautions	Avoid contact of spilt product with soil and prevent runoff entering surface waterways. Spilt product should not be allowed to enter a sewer because of the possibility of an explosion. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3. Methods and material for containment and cleaning up	
For containment	Stop or contain leak at the source if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent entry to sewers and public waters. Ventilate affected area.
For cleaning up	Absorb spilled product with suitable non-combustible materials. Collect free product with suitable means. Collect recovered product and other contaminated materials in suitable containers for recycle, recovery or safe disposal. In case of soil contamination, remove contaminated soil for remediation or disposal, in accordance with local regulations.
6.4. Reference to other sections	Concerning exposure limits and personal protective equipment to use, see SECTION 8. Concerning disposal elimination after cleaning, see SECTION 13.

7. SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling	
Protective measures:	Handle in an enclosed, controlled process. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. The vapour is heavier than air; beware of pits and confined spaces. Avoid all contact with substance. Do not breathe vapour.
- Measures to prevent fire:	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use only non-sparking tools and equipment, especially when opening and closing containers.
- Measures to protect the environment:	Avoid release to the environment.
Advice on general occupational hygiene:	Keep away from food and beverages. Do not eat, drink or smoke while using this product. Wash hands thoroughly after handling.
7.2. Conditions for safe storage, including any incompatibilities	
Technical measures and storage conditions:	Store in a well-ventilated place at temperatures between 1°C and 40 °C away from direct sunlight and heating appliances. Keep only in the original container.
Packaging materials:	Handle in an enclosed, controlled process. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. The vapour is heavier than air; beware of pits and confined spaces. Avoid all contact with substance. Do not breathe vapour.
7.3. Specific end uses	
Recommendations	See SECTION 1.2.

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8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits No Occupational Exposure Limit assigned. Components with occupational exposure limit requiring monitoring.

Country	Limit value - Eight hours		Limit value - Short term		Legal basis
	ppm	mg/m³	ppm	mg/m³	
SUBSTANCE: 2-butoxyethanol CAS NO. 111-76-2					
European Union	20	98	50 (1)	246 (1)	2000/39/EC
<i>Remarks:</i> <i>European Union: (1) (1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV)</i>					
Biological limit values			Not established		
DNELs					

SUBSTANCE: Lubricating oils **CAS NO. 74869-22-0**

Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	Hazard unknown	-	740 µg/kg bw/day
Inhalation	No hazard identified	No hazard identified	5.58 mg/m ³	2.73 mg/m ³	Hazard unknown	Hazard unknown	1.19 mg/m ³	Hazard unknown
Dermal	No hazard identified	No hazard identified	High hazard (no threshold derived)	970 µg/kg bw/day	Hazard unknown	Hazard unknown	Hazard unknown	Hazard unknown

SUBSTANCE: stoddard solvent **CAS NO. 8052-41-3**

Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	50 mg/kg bw/day	-	10.56 mg/kg bw/day
Inhalation	55 mg/m ³	55 mg/m ³	44 mg/m ³	44 mg/m ³	55 mg/m ³	55 mg/m ³	22 mg/m ³	22 mg/m ³
Dermal	No hazard identified	30 mg/kg bw/day	7.56 mg/cm ²	80 mg/kg bw/day	No hazard identified	60 mg/kg bw/day	3.78 mg/cm ²	40 mg/kg bw/day

SUBSTANCE: 2-butoxyethanol **CAS NO. 111-76-2**

Route of exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required				-	26.7 mg/kg bw/day	-	6.3 mg/kg bw/day
Inhalation	246 mg/m ³	1091 mg/m ³	No hazard identified	98 mg/m ³	147 mg/m ³	426 mg/m ³	No hazard identified	59 mg/m ³
Dermal	Medium hazard (no threshold derived)	89 mg/kg bw/day	No hazard identified	125 mg/kg bw/day	Medium hazard (no threshold derived)	89 mg/kg bw/day	No hazard identified	75 mg/kg bw/day

PNECs

SUBSTANCE: Lubricating oils **CAS NO. 74869-22-0**

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Fresh water	No data available
Freshwater sediments	No data available
Marine water	No data available
Marine sediments	No data available
Microorganisms in sewage treatment	No data available
Soil (agricultural)	No data available
Air	No hazard identified
Secondary poisoning	9.33 mg/kg food
SUBSTANCE: stoddard solvent	
CAS NO. 8052-41-3	
Fresh water	140 µg/L
Freshwater sediments	1.14 mg/kg sediment dw
Marine water	350 µg/L
Marine sediments	140 µg/kg sediment dw
Microorganisms in sewage treatment	No data available
Soil (agricultural)	No hazard identified
Air	10 mg/m ³
Secondary poisoning	No potential for bioaccumulation
SUBSTANCE: 2-butoxyethanol	
CAS NO. 111-76-2	
Fresh water	8.8 mg/L
Freshwater sediments	34.6 mg/kg sediment dw
Marine water	880 µg/L
Marine sediments	3.46 mg/kg sediment dw
Microorganisms in sewage treatment	463 mg/L
Soil (agricultural)	2.33 mg/kg soil dw
Air	No hazard identified
Secondary poisoning	20 mg/kg food

8.2. Exposure controls

Appropriate engineering measures

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Personal protection equipment:

- Eye and face protection:



Safety glasses with side shields or splash goggles (EN 166)

- Skin protection:

- hand protection



Chemical-resistant gloves (EN 374). Suitable glove material: nitrile or neoprene or PVC.

- other skin protection

Long sleeve protective clothing, plastic apron, rubber boots.



- Respiratory protection:



Where airborne levels below the exposure limits cannot be maintained: half-face mask (EN 140); filter type: P3 (EN 143).

Environmental exposure controls:

Waste treatment methods. Provide spillage control measures. Avoid contact of spilt product with soil and prevent runoff entering surface waterways. Dispose of rinse water in accordance with local and national regulations. Inform the relevant authorities if the product has caused environmental

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pollution (sewers, waterways, soil or air).

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance:	viscous liquid
Colour	Brown
Odour	Characteristic petroleum hydrocarbon odour
Odour threshold:	No data available
PH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range	No data available
Flash point	> 150 °C
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	0,915-0.930 g/cm ³ @20°C
Solubility(ies)	Water: insoluble; organic solvents: soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	> 260 °C
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

9.2. Other information

None known

10. SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur.

10.4. Conditions to avoid

Exposure to direct sunlight; exposure to high temperature and excessive heat, ignition sources (flames, sparks).

10.5. Incompatible materials

Strong oxidants, acids, alkalis.

10.6. Hazardous decomposition products

None under normal use. In the event of fire: see Section 5.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Based upon the available data, the product is classified as Acute toxicity (oral), Hazard Category 4; H302 under the Regulation EC No. 1272/2008 (CLP).

Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
SUBSTANCE: Lubricating oils					
CAS NO. 74869-22-0					
OECD 401	rat	Oral	LD50	-	> 5000 mg/kg bw

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OECD 403	rat	Inhalation	LC50	4 h	2.18 mg/L air
OECD 402	rabbit	Dermal	LD50	-	> 5000 mg/kg bw
SUBSTANCE: stoddard solvent CAS NO. 8052-41-3					
OECD 401	rat	Oral	LD50	-	> 5000 mg/kg bw
OECD 403	rat	Inhalation	LC50	4 h	> 5.5 mg/L air
OECD 402	rabbit	Dermal	LD50	-	> 3000 mg/kg bw
SUBSTANCE: 2-butoxyethanol CAS NO. 111-76-2					
OECD 401	guinea pig	Oral	LD50	-	1300 mg/kg bw
-	-	Inhalation	LC50	-	-
OECD 402	rabbit	Dermal	LD50	-	> 2000 mg/kg bw
Skin corrosion/irritation	Based upon the available data, product does not require any classification under the Regulation (EC) No 1272/2008 (CLP).				
Serious eye damage/eye irritation	Based upon the available data, product does not require any classification under the Regulation (EC) No 1272/2008 (CLP).				
Respiratory or skin sensitization	Based upon the available data, product does not require any classification under the Regulation (EC) No 1272/2008 (CLP).				
Germ cell mutagenicity	Based upon the available data, product does not require any classification under the Regulation (EC) No 1272/2008 (CLP).				
Carcinogenicity	IARC, NTP, OSHA, or ACGIH: Components of this product are not classified as probable, possible or confirmed human carcinogen.				
Reproductive toxicity	Based upon the available data, product does not require any classification under the Regulation (EC) No 1272/2008 (CLP).				
STOT - SE	Single exposure may irritate respiratory tract and may cause central nervous system (CNS) depression and cause drowsiness or dizziness.				
STOT - RE	Causes damage to organs through prolonged or repeated exposure. Chronic exposure cause adverse central nervous system (CNS) effects that can progress in severity. These CNS effects can include deficits in psychomotor, perception, memory parameters, and disturbances in mood.				
Aspiration hazard	Based upon the available data, product does not require any classification under the Regulation (EC) No 1272/2008 (CLP).				

12. SECTION 12: ECOLOGICAL INFORMATION

12.1. Aquatic toxicity

Based upon the available data, product does not require any classification under the Regulation (EC) No 1272/2008 (CLP).

Method	Species		Effective Dose	Exposure time	Results
SUBSTANCE: Lubricating oils					
CAS NO. 74869-22-0					
Acute (short-term) toxicity					
OECD 203	Fish	Pimephales promelas	LL50	96 h	> 100 mg/L
OECD 202	Crustacea	Daphnia magna	EL50	48 h	> 10000 mg/L
-	Algae/aquatic plants	-	-	-	-
QSAR	Other organisms	Tetrahymena pyriformis	EL50	40 h	> 1000 mg/L
Chronic (long-term) toxicity					
QSAR	Fish	Oncorhynchus mykiss	NOELR	14 d	≥ 1000 mg/L
OECD 211	Crustacea	Daphnia magna	NOEL	21 d	10 mg/L
OECD 201	Algae/aquatic plants	Pseudokirchneriella subcapitata	NOEL	72 h	≥ 100 mg/L
QSAR	Other organisms	Tetrahymena pyriformis	NOEL	40 h	≥ 1000 mg/L
SUBSTANCE: stoddard solvent					
CAS NO. 8052-41-3					
Acute (short-term) toxicity					
QSAR	Fish	-	LC50	96 h	0.18 mg/L
EPA OPPTS 850.1020	Crustacea	Chaetogammarius marinus	LC50	48 h	3.5 mg/L
OECD 201	Algae/aquatic plants	Pseudokirchneriella	EC50	96 h	1.2 mg/L

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		subcapitata			
-	Other organisms	-	-	-	
Chronic (long-term) toxicity					
QSAR	Fish	-	NOEC	30 d	0.02 mg/L
OECD 211	Crustacea	Daphnia magna	NOEC	21 d	0.10 mg/L
OECD 201	Algae/aquatic plants	Pseudokirchneriella subcapitata	NOEC	96 h	0.16 mg/L
-	Other organisms	Uronema parduzci	TT	48 h	463 mg/L
SUBSTANCE: 2-butoxyethanol					
CAS NO. 111-76-2					
Acute (short-term) toxicity					
OECD 203	Fish	Oncorhynchus mykiss	LC50	96 h	1474 mg/L
OECD 202	Crustacea	Daphnia magna	EC50	48 h	1550 mg/L
OECD 201	Algae/aquatic plants	Pseudokirchneriella subcapitata	EC50	72 h	1840 mg/L
QSAR	Other organisms	Tetrahymena pyriformis	EL50	72 h	
Chronic (long-term) toxicity					
OECD 204	Fish	Danio rerio	NOEC	21 d	> 100 mg/L
OECD 211	Crustacea	Daphnia magna	NOEC	21 d	100 mg/L
OECD 201	Algae/aquatic plants	Pseudokirchneriella subcapitata	NOEC	72 h	286 mg/L
-	Other organisms	-	-	-	-

12.2. Persistence and degradability

Abiotic degradation	No data available
Physical- and photo-chemical elimination	No data available
Biodegradation	No data available

12.3. Bioaccumulative potential

Partition coefficient n-octanol /water (log Kow)	No data available
Bioconcentration factor (BCF)	No data available

12.4. Mobility in soil

Known or predicted distribution to environmental compartments	No data available
Surface tension	No data available
Adsorption/Desorption	No data available

12.5. Results of PBT (persistence, bioaccumulation and toxicity) and vPvB (very persistent and very bioaccumulative) assessment

This product does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

Films formed on water may affect oxygen transfer and damage organisms.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Product / Packaging disposal

Dispose of in accordance with local and national regulations via a licensed waste disposal contractor.

13.2. Contaminated packaging

Contaminated packaging may contain traces of the product and therefore should be disposed of in the same way as product.

14. SECTION 14: TRANSPORT INFORMATION

14.1. ADR/RID/ADN

Not regulated

14.2. ICAO/IATA

Not regulated

14.3. IMDG/IMO

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14.4.	Not regulated Bulk transportation in accordance with Annex II of MARPOL 73/78 and the International Bulk Chemical Code (IBC) Not applicable. The products are transported only in packing
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15. SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations Other EU regulations 15.2. Chemical Safety Assessment	This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (REACH). COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended. The product has been classified and marked in accordance with Regulation (EC) No 1272/2008 (CLP). REGULATION (EU) 2016/918 OF THE COMMISSION of 19 May 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. COMMISSION REGULATION (EU) 2018/1480 of 4 October 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures and correcting Commission Regulation (EU) 2017/776 COMMISSION REGULATION (EU) 2018/669 of 16 April 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. COMMISSION REGULATION (EU) 2019/521 of 27 March 2019 amending, for the purposes of its adaptation to technical and scientific progress Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixture This product does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH. A Chemical Safety Assessment has not been carried out.
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16 SECTION 16: OTHER INFORMATION

16.1.	Indication of changes Not applicable.
16.2.	Abbreviations and acronyms

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ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

IARC: International Agency for Research on Cancer

vPvB: Very persistent and very bio accumulative

PBT: Persistent, bioaccumulative and toxic

PPE: Personal protective equipment

SCBA: Self-contained breathing apparatus

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

EL50: Median effect loading

EC50: Half maximal effective concentration

LC50: Median lethal concentration

LD50: Median lethal dose

LL50: Median lethal loading

LOEL: Lowest observed effect level

NOEC: No observable effect concentration

NOEL: No observed effect level

NOELR: No observable effect loading rate

TT: Toxicity threshold

STOT SE: Specific target organ toxicity - single exposure

STOT RE: Specific target organ toxicity - repeated exposure

ADR/RID: Accord Dangereuses Route/International Carriage of Dangerous Goods by Rail

IMDG/IMO: International Maritime Dangerous Goods/International Maritime Organisation

ICAO/IATA: International Civil Aviation Organization/International Air Transport Association

ADN: International Carriage of Dangerous Goods by Inland Waterways

16.3. Key literature references and sources for data

ECHA (European Chemicals Agency)

GESTIS International Limit values Database

OSHA Occupational Chemical Database

TS 20.41.32-005-34736020-2019 Long run engine flush A-PROHIM. Specification

GOST 12.1.007-76 Occupational safety standards system (OSSS). Harmful substances. Classification and general safety requirements

GOST 19433-88 Dangerous goods. Classification and marking.

GOST 31340-2013 Labeling of chemicals. General requirements

GOST 32419-2013 Classification of chemicals. General requirements.

GOST R 22.9.17-2014 Safety in emergencies. Pneumatic emergency and rescue tools. General technical requirements.

SanPiN 2.1.7.1322-03 Hygienic Requirements for Placement and Decontamination of Production and Consumption Wastes

GN 2.2.5.2893-11 Maximum allowable levels (MAL) of skin contamination by harmful substances

GN 2.2.5.1313-03 Maximum allowable concentrations (MAC) of hazardous substances in workplace air\

GN 2.1.5.1315-03 Maximum allowable concentrations (MAC) of chemical substances in water bodies for potable/nonpotable and recreational water use.

GN 2.1.6.1338-03 Maximum permissible pollutant concentrations in the ambient atmosphere of populated areas R 2.2.2006-05

Guide on hygienic assessment of factors of working environment and work load. Criteria and classification of working conditions

«Water quality norms for fishery water bodies, including standards for maximum permissible concentrations of harmful substances in the water of fishery water bodies» (approved by Order No.552 from 13.12.2016 of the Ministry of Agriculture of the Russian Federation).

«Unified list of goods subject to sanitary-and-epidemiological supervision (control) at the customs border and within the customs territory of the customs union», approved by the Decision of the Commission of the Customs Union of May 28, 2010 No. 299

16.4. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

SAFETY DATA SHEET (SDS)

Engine Flush 200 km

TS 20.41.32-005-34736020-2019

FEACN code 3811 21 000 0

Date of issue: 22/09/2020

Classification according to Regulation (EC) No. 1272/2008 Acute toxicity (oral), Hazard Category 4; H302 Specific target organ toxicity - single exposure, hazard category 3 (respiratory tract irritation); H335 Specific target organ toxicity - single exposure, hazard category 3 (narcosis); H336 Specific target organ toxicity - repeated exposure, hazard category 1; H372	Classification procedure Calculation method Calculation method Calculation method Calculation method
16.5. Relevant H-statements (number and full text) H302: Harmful if swallowed H304: May be fatal if swallowed and enters airways H315: Causes skin irritation H319: Causes serious eye irritation H332: Harmful if inhaled H372: Causes damage to organs through prolonged or repeated exposure	
16.6. Relevant H-statements (number and full text) Asp. Tox. 1: Aspiration hazard, hazard category 1 Acute Tox. 4: Acute toxicity, hazard category 4 Skin Irrit. 2: Skin corrosion/irritation, hazard category 2 Eye Irrit. 2: Serious eye damage/eye irritation, hazard category 2 STOT RE 1: Specific target organ toxicity - repeated exposure, hazard category 1	
16.7. Training advice Before using/handling the product one must read carefully present SDS. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.	
16.7. Further information Date of issue: 22 September 2020 Revision date: – Version No. 1.0	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.