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Reviewed on:	PETROL ONE SHOT	Version: 2.0

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

1.1. Product identifier:

Trade name: **PETROL ONE SHOT**
Product code: **1 35602**

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Uses of the mixture: Fuel system cleaner - PETROL.
For professional and industrial use only.
Uses advised against: Not known.

1.3. Details of the supplier of the safety data sheet:

Identification of manufacturer/Supplier:

RETECH, s.r.o.
Vackova 1541/4
150 00 Praha 5 - Stodůlky
Czech Republic

Telephone number/Fax: +420 327 596 128, +420 327 596 428

E-mail: info@retech.cz

1.4. Emergency telephone number: RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic

Telephone number: +420 327 596 128 (7.30-16.00 hour)
Toxikologické informační středisko (Toxicology Information Centre),
Na bojišti 1, 128 08 PRAHA 2, Czech Republic
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

2.* Section 2. Hazard identification:

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:



Signal Word: Danger

Hazard Statements:

H304 May be fatal if swallowed and enters airways.

Precautionary Statements:

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P501 Dispose of contents/container in accordance with national regulation.

Supplemental Hazard information (EU):

EUH066 Repeated exposure may cause skin dryness or cracking.

Contained dangerous substances:

64742-47-8 Kerosine - unspecified

2.3. Other hazards:

Results of PBT and vPvB assessment:

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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3.* Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active ingredients

Hazardous ingredients:

CAS: 64742-47-8 EC No.: 265-149-8	Distillates (petroleum), hydrotreated light; Kerosine - unspecified Asp. Tox. 1, H304	60 - 100 %
EC No.: 918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304	1 - 5 %
	Phenol, (dimethylamino)methyl-, polyisobutylene derivs Aquatic Chronic 3, H412	1 - 5 %
CAS: 64742-94-5 EC No.: 265-198-5	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified Skin Irrit. 2, H315; Eye Irrit. 2, H319; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	< 1 %

For full text of H-statements: see SECTION 16.

4. Section 4. First aid measures:

4.1. Description of first aid measures:

General notes: When in doubt or if symptoms are observed, get medical advice.

After inhalation: Move affected person to fresh air and keep warm and at rest.
Get prompt medical attention.
If breathing is irregular or stopped administer artificial respiration.

After skin contact: Remove affected person from source of contamination.
Wash the skin immediately with soap and water.
Get medical attention if any discomfort continues.

After eye contact: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Get medical attention if any discomfort continues.

After swallowing: Rinse mouth thoroughly with water.
Do not induce vomiting.
Get medical attention immediately.

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

Effects may be delayed. Keep affected person under observation.
See section 11.

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

No further relevant information available.

5. Section 5. Fire fighting measures:

5.1. Extinguishing media:

Suitable extinguishing agents: Dry chemicals, sand, dolomite; alcohol resistant foam; water spray, fog or mist; carbon dioxide (CO₂).

Unsuitable extinguishing agents: Water with full jet.

5.2. Special hazards arising from the substance or mixture:

Vapours are heavier than air and may spread near ground to sources of ignition.

5.3. Advice for firefighters:

Wear protective clothing and self-contained breathing apparatus.
Ventilate closed spaces before entering them.
Move container from fire area if it can be done without risk.
Use water to keep fire exposed containers cool and disperse vapours.
Do not scatter spilled material with more water than needed to fight the fire.
Be aware of danger for fire to re-start.
Keep run-off water out of sewers and water sources.
Dike for water control.

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6. Section 6. Accidental release measures:

- 6.1. Personal precautions, protective equipment and emergency procedures:
Wear protective clothing, gloves, eye and face protection, see Section 8.
Keep unprotected persons away.
Ensure adequate ventilation.
- 6.2. Environmental precautions: Avoid sparks, flames, heat and smoking.
Stop leak if possible without risk.
Do not discharge into drains or watercourses.
Inform respective authorities in case of seepage into water course or sewage system.
- 6.3. Methods and material for containment and cleaning up:
Extinguish all ignition sources.
Ensure adequate ventilation.
Absorb in vermiculite, dry sand or earth and place into containers.
Small quantities may be flushed to drains with plenty of water.
Dispose contaminated material as waste according to Section 13.
- 6.4. Reference to other sections: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Section 7. Handling and storage:

- 7.1. Precautions for safe handling:
Protective measures: Wear protective clothing, gloves, eye and face protection, see Section 8.
Ensure good ventilation/exhaustion at the workplace.
Avoid inhalation of vapours and contact with skin and eyes.
Use approved respirator if air contamination is above accepted level.
Do not eat, drink or smoke when using this product.
- Measures to prevent fire: Keep away from heat, sparks and open flame.
Risk of vapour concentration on the floor and in low-lying areas.
Static electricity and formation of sparks must be prevented.
- 7.2. Conditions for safe storage, including any incompatibilities:
Requirements for storage rooms and vessels:
Store in a cool, well-ventilated place.
Keep containers tightly closed.
- Technical measures and storage conditions:
Flammable/combustible - Keep away from oxidisers, heat and flames.
Storage Class: Flammable liquid storage.
- Further information on storage conditions:
Keep away from ignition sources.
Protect from heat and direct sunlight.
- 7.3. Specific end use(s): No further relevant information available.

8.* Section 8. Exposure controls/personal protection:

- 8.1. Control parameters:
Components with limit values that require monitoring at the workplace:

WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m ³	ppm	mg/m ³	
64742-47-8	Kerosine - unspecified	165	1200	-	-	

OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG

Contains no substances with occupational exposure limit values.

Additional information: The lists that were valid during the compilation were as basis.

- 8.2. Exposure controls:

Technical measures to prevent exposure:

Ensure good ventilation/exhaustion at the workplace.

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General protective measures:	<p>Ensure eye bath is to hand.</p> <p>The usual precautionary measures should be adhered to general rules for handling chemicals.</p> <p>Wash hands at the end of each work shift and before eating, smoking and using the toilet.</p> <p>Wash promptly if skin becomes contaminated.</p> <p>Promptly remove any clothing that becomes wet or contaminated.</p> <p>When using do not eat, drink or smoke.</p>
Personal protection equipment:	
Respiratory protection:	<p>Respiratory protection usually not required with adequate ventilation.</p> <p>Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.</p> <p>Use chemical cartridge protection with appropriate cartridge.</p>
Eye protection:	Wear approved chemical safety goggles where eye exposure is reasonably probable.
Hand protection:	For prolonged or repeated skin contact use suitable protective gloves.
Skin protection:	Wear appropriate clothing to prevent any possibility of liquid contact.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form:	Liquid.
Colour:	Colourless.
Odour:	Petrol-like.
Odour threshold:	Not determined.
Value pH at 20 °C:	Not determined.
Melting point/freezing point:	Not determined.
Initial boiling point/boiling range:	Not determined.
Flash point:	Not determined.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not determined.
Explosive properties:	Not determined.
Explosive limits:	
– lower:	Not determined.
– upper:	Not determined.
Vapour pressure at 20 °C:	Not determined.
Vapour density at 20 °C:	Not determined.
Density at 20 °C:	0.808 g/cm ³
Relative density:	Not determined.
Solubility in/miscibility with:	Water: insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Viscosity:	Not determined.
Oxidising properties:	Not determined.

9.2. Other information: No further relevant information available.

10. Section 10. Stability and reactivity:

10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability:	Stable under normal temperature conditions.
10.3. Possibility of hazardous reactions:	No further relevant information available.
10.4. Conditions to avoid:	Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.
10.5. Incompatible materials:	No further relevant information available.

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10.6. Hazardous decomposition products:

Thermal decomposition or combustion products may include the following substances: carbon monoxide (CO), carbon dioxide (CO₂).

11.* Section 11. Toxicological information:

11.1. Information on toxicological effects:

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	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:	Based on available data, the classification criteria are not met.
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.
Other information:	
Route of entry:	Inhalation, ingestion, skin and/or eye contact.
Medical Symptoms:	Irritation of eyes and mucous membranes, dilated pupils, rhinitis (inflammation of the nasal mucous membranes).
After inhalation:	Vapours may cause headache, fatigue, dizziness and nausea. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Irritating to respiratory system. Harmful by inhalation.
After skin contact:	Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin. Harmful in contact with skin.
After eye contact:	Irritating to eyes. Irritation, burning, lachrymation, blurred vision after liquid splash. Repeated exposure may cause chronic eye irritation.
After swallowing:	May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach. Harmful if swallowed. Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Swallowing concentrated chemical may cause severe internal injury.

12.* Section 12. Ecological information:

12.1. Toxicity:	
Aquatic toxicity:	No further relevant information available.
12.2. Persistence and degradability:	No further relevant information available.
12.3. Bioaccumulative potential:	No further relevant information available.
12.4. Mobility in soil:	No further relevant information available.
Additional ecological information:	
General notes:	Do not allow runoff to sewer, waterway or ground. Dangerous for the environment if discharged into watercourses.
12.5. Results of PBT and vPvB assessment:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
12.6. Other adverse effects:	No further relevant information available.

13. Section 13. Disposal considerations:

13.1. Waste treatment methods:	
Product disposal:	Must not be disposed together with household garbage. Collect on absorbent material, place in cardboard kegs and incinerate.

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Incinerate in suitable combustion chamber.
Do not allow product to reach sewage system.
European Waste Catalogue: 16 03 05* organic wastes containing hazardous substances
(*hazardous waste)

Packagings disposal: Disposal must be made according to official regulations.
European Waste Catalogue: 15 01 10* packaging containing residues of or contaminated by hazardous substances
(*hazardous waste)

Other disposal recommendations: Disposal must be made according to official regulations.
The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

14. Section 14. Transport information:

- 14.1. UN number: ADR/RID, IMDG, IATA Not classified as hazardous for transport.
- 14.2. UN proper shipping name: ADR/RID, IMDG, IATA Not applicable.
- 14.3. Transport hazard class(es): ADR/RID, IMDG, IATA Not applicable.
- 14.4. Packing group: ADR/RID, IMDG, IATA Not applicable.
- 14.5. Environmental hazards: Marine pollutant: Not applicable.
- 14.6. Special precautions for user: Not applicable.
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

15. Section 15. Regulatory information:

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

Used legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
Commission Decision 2000/532/EC establishing a list of wastes, as amended
Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended
Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended
Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values
Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values
Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

- 15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16.* Section 16. Other information:

Relevant H-statements (Section 3):
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

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H315 Causes skin irritation.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC No.: EINECS and ELINCS Number

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

Aquatic Chronic 2: Hazardous to the aquatic environment, category 2

Aquatic Chronic 3: Hazardous to the aquatic environment, category 3

Asp. Tox. 1: Aspiration hazard, category 1

Eye Irrit. 2: Serious eye irritation, category 2

Flam. Liq. 3: Flammable liquid, category 3

Skin Irrit. 2: Skin irritation, category 2

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Compared to the last version the data has been changed.**