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<p><b>1. Section 1. Identification of the substance/mixture and of the company/undertaking:</b></p> <p>1.1. Product identifier: <b>DIESEL ONE SHOT - 1 35601</b></p> <p>1.2. Relevant identified uses of the substance or mixture and uses advised against: DIESEL fuel system cleaner</p> <p>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 Telephone/Fax: +420 327 596 128, +420 327 596 428 Information: <a href="mailto:info@retech.cz">info@retech.cz</a></p> <p>1.4. Emergency telephone number: RETECH Suchdol 212, Suchdol u Kutné Hory Tel.+420 327 596 128 (7.30-16.00 hour) Toxicology information number, Na bojišti 1, 128 08 PRAHA 2 Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)</p>	<p><b>2. Section 2. Hazard identification:</b> The product is labeled due to the calculation procedure of the “General</p> <p>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. Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.</p> <p>Classification according to Directive 1999/45/EC: R44 Risk of explosion if heated under confinement. Xn - harmful R65 Harmful: may cause lung damage if swallowed.</p> <p>R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66 Repeated exposure may cause skin dryness or cracking.</p> <p>2.2. Label elements: Labelling according to Regulation (EC) No 1272/2008 [CLP]:</p> <p>GHS08</p>  <p>Signal word: Danger</p> <p>Hazard statements: H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects.</p> <p>Precautionary statements: P102 Keep out of reach of children. P280 Wear protective gloves/protective clothing/eye protection/face protection. P211 Do not spray on an open flame or other ignition source. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P501 Dispose of contents/container in accordance with national regulation.</p> <p>Supplemental Hazard information: EUH044 Risk of explosion if heated under confinement. EUH066 Repeated exposure may cause skin dryness or cracking.</p> <p>Contained dangerous substances: 64742-47-8 Kerosine – unspecified</p>
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- 2.3. Other hazards:  
Results of PBT and vPvB assessment:  
PBT: Not applicable  
vPvB: Not applicable

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

- 3.2. Mixtures:  
Description of the mixture: Active substance

Hazardous ingredients:

CAS: 64742-47-8 ES: 265-149-8	Distillates (petroleum), hydrotreated light Kerosine – unspecified Xn R65; R66 Asp. Tox. 1, H304; EUH066	60-100 %
CAS : - ES: 248-363-6	2-ethylhexyl nitrate Xn, R20/21/22; N, R51/53; R44; R66 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Aquatic Chronic 2, H411; EUH044; EUH066	5-10 %

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

**4. Section 4. First aid measures:**

- 4.1. Description of first aid measures:
- After inhalation: Move the exposed person to fresh air. Keep the affected person warm and at rest. Get prompt medical attention. If breathing is irregular or stopped perform administer artificial respiration.
- After skin contact: Immediately wash with water and soap and rinse thoroughly. If symptoms persist, consult a doctor.
- After eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. If symptoms persist, consult a doctor.
- After swallowing: Do not induce vomiting. Rinse mouth with plenty of water. Call for a doctor immediately.
- Most important symptoms and effects, both acute and delayed: No further relevant information available.  
Indication of any immediate medical attention and special treatment needed: No further relevant information available.

**5. Section 5. Fire fighting measures:**

- 5.1. Suitable extinguishing agents: Dry chemicals, sand, dolomite etc., alcohol resistant foam, water spray, fog or mist, Carbon dioxide (CO<sub>2</sub>).  
For safety reasons unsuitable extinguishing agents: No further information available.
- 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.  
Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Keep run-off water out of sewers and water sources.

**6. Section 6. Accidental release measures:**

- 6.1. Personal precautions, protective equipment and emergency procedures:  
Wear protective equipment see Section 8.2. Ensure adequate ventilation. Keep unprotected persons away.  
Keep away from source of ignition.
- 6.2. Environmental precautions:  
Do not allow product to reach sewage system, surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- 6.3. Methods and material for containment and cleaning up:

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6.4.	<p>Ensure adequate ventilation. Stop leak if possible without risk. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to Section 13.</p> <p>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.</p>	
<b>7.</b>	<b>Section 7. Handling and storage:</b>	
7.1.	Information for safe handling:	Ensure good ventilation/exhaustion at the workplace. Avoid contact with skin and eyes. Avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Risk of vapour concentration on the floor and in low-lying areas.
	Measures to prevent fire:	Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented.
	Measures to prevent the environment:	Avoid spilling.
7.2.	Conditions for safe handling, including any incompatibilities:	
	Technical measures and storage conditions:	Flammable/combustible - Keep away from oxidisers, heat and flames.
	Requirements for storage rooms and vessels:	Keep containers tightly closed. Storage Class, Flammable liquid storage.
	Further information on storage conditions:	No further relevant information available.
7.3.	Specific end use(s):	No further relevant information available.
<b>8.</b>	<b>Section 8. Exposure controls and personal protection:</b>	
8.1.	Control parameters:	
	Components with limit values that require monitoring at the workplace:	
	<u>WEL (UK)</u>	<u>Short-term (STEL)</u> <u>Long-term (8h TWA)</u>
	64742-47-8 Kerosine – unspecified	1200 mg/m <sup>3</sup> 165 ppm
	Additional information:	The lists that were valid during the compilation were used as basis.
8.2.	Exposure controls:	
	Measures to prevent exposure:	
	Provide eyewash station.	
	Personal protection equipment:	
	Breathing equipment:	Not required, but ensure adequate ventilation when using the product. Use suitable respiratory protective device in case of insufficient ventilation. In case of brief exposure or low pollution use respiratory filter device (Filter AX).
	Eye protection:	Wear approved chemical safety goggles where eye exposure is reasonably probable.
	Protection of hands:	Protective gloves. Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
	Protection of skin:	Protective working clothing.
8.3.	General protective and hygienic measures:	Wash hands at the end of each work shift and before eating. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.
<b>9.</b>	<b>Section 9. Physical and chemical properties:</b>	
9.1.	Information on basic physical and chemical properties:	
	Appearance:	
	Form:	Liquid
	Colour:	Yellowish
	Odour threshold:	Petrol-like
	Value pH:	Not determined
	Melting point/freezing point:	Not determined

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<p>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 (% Vol): Not determined                                   upper (% Vol): Not determined Vapour pressure (at 20°C): Not determined Vapour density (at 20 °C): Not determined Density at 20°C: 0.812 g/cm<sup>3</sup> Relative density: Not determined Solubility in/miscibility with:   - water Insoluble in water. Partition coefficient (n- octanol/water): Not determined Auto-ignition temperature: Not determined Decomposition temperature: Not determined Viscosity: Not determined Oxidising properties: Not determined 9.2. Other information: No further relevant information available.</p>	
<p><b>10. Section 10. Stability and reactivity:</b> 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. 10.5. Incompatible materials: No further relevant information available. 10.6. Hazardous products of decomposition: Creation of vapours and gases of carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) is possible during fire.</p>	
<p><b>11. Section 11. Toxicological information:</b> 11.1 Information on toxicological effects: Acute toxicity: No further relevant information available. Irritation: on the skin: Prolonged or repeated exposure may cause severe irritation. Acts as a defeating agent on skin. May cause cracking of skin, and eczema.                                   on the eye: Irritating effect. Corrosivity: Not corrosive. Sensitization: No sensitizing effect known. Repeated dose toxicity: No further relevant information available. Carcinogenicity: No further relevant information available. Mutagenicity: No further relevant information available. Toxicity for reproduction: No further relevant information available. Other information: Inhalation: High concentrations of vapours may irritate respiratory system. Vapours may cause headache, fatigue, dizziness and nausea, vomiting or intoxication. Harmful by inhalation. Irritating to respiratory system.                                   Ingestion: May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Harmful if swallowed.                                   Harmful in contact with skin. Repeated exposure may cause chronic eye irritation. Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis.</p>	

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<p><b>12. Section 12. Ecological information:</b></p> <p>12.1. Toxicity: No further relevant information available.</p> <p>12.2. Persistence and degradability: No further relevant information available.</p> <p>12.3. Bioaccumulative potential: No further relevant information available.</p> <p>12.4. Mobility in soil: No further relevant information available.</p> <p>12.5. Results of PBT and vPvB assessment: PBT: Not applicable vPvB: Not applicable</p> <p>12.6. Other adverse effects: No further relevant information available.</p>
<p><b>13. Section 13. Disposal considerations:</b></p> <p>13.1 Waste treatment methods:</p> <p>Product: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose in safe manner in accordance with local/national regulation.</p> <p>Uncleaned packagings: Disposal must be made according to official regulations.</p>
<p><b>14. Section 14. Transport information:</b></p> <p>14.1. Land transport: Not classified ADR/RID-GGVS/E class: -</p> <p>14.2. Maritime transport: Not classified IMDG-class: - Marine pollutant: No</p> <p>14.3. Air transport: Not classified ICAO / IATA -class: - UN "Model Regulation": Not applicable Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable</p>
<p><b>15. Section 15. Regulatory information:</b></p> <p>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:</p> <p>Used legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended Directive 67/548/EEC and Directive 1999/45/EC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances, as amended Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP), as amended Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended</p> <p>15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.</p>
<p><b>16. Section 16. Other information:</b></p> <p>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.</p> <p>Relevant R-phrases and H-statements: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R44 Risk of explosion if heated under confinement. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful: May cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways.</p>

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H312 Harmful in contact with skin.  
H332 Harmful if inhaled.  
H411 Toxic to aquatic life with long lasting effects.  
EUH044 Risk of explosion if heated under confinement.  
EUH066 Repeated exposure may cause skin dryness or cracking.

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)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)  
WEL: Workplace exposure limits  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effective concentration, 50 percent  
DNEL Derived No-Effect Level  
LOEC Lowest Observed Effect Concentration  
NOEC No Observed Effect Concentration

The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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