

**MATERIAL SAFETY DATA SHEET**

Prepared according to 98/8/CE &amp; Modifications, 67/548/CE &amp; Modifications, 1999/45/CE &amp; Modifications



*Product registred at the INRS under the number 101423**Product registered at the MEEDAAT under the number 11410*

<b>1</b>	<b>Substance / Product Identification</b>
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Product Trade Name	A550
Product Type	Complex substance for the maintenance of Diesel engines
Company	Actioil International represented in Europe by Actioil Distribution SA 62 Avenue de la Liberté L1930 Luxembourg
Phone	00 352 26 12 35 83
Fax	00 352 26 12 35 84
E-mail	<a href="mailto:info@actioil.com">info@actioil.com</a>
CAS Number	Not applicable for the mixtures
Preparation/Revision date	Revision 2, May 29th, 2009
Emergency Phone Number EU	00 352 26 12 35 83
MSDS Number	972.05-2D

<b>2</b>	<b>Hazards Identification</b>
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**Hazard description (Symbols)**

		<p>Xn: harmful</p> <p>N: Dangerous for the environment</p>
N	Xn	

**Information concerning particular hazards for human and environment****Risk Phrases:**

<b>R36/38</b>	Irritating to eyes and skin
<b>R51/53</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<b>R65</b>	Harmful: may cause lung damage if swallowed.
<b>R67</b>	Vapours may cause drowsiness and dizziness

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

<b>3</b>	<b>Composition / Information on Ingredients</b>
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**Hazardous Ingredients**

Comp	Percentage (by wt.)	Symbol(s)	Risk Phrase(s)	EU Number
Solvent Naphta Heavy Aromatic	25 - 60 %	N Xn	R10-36-51/53-65-66-67	265-198-5
2-Ethylhexyl nitrate	0 - 10 %	N Xn	R 20-44-51/53-65	248-363-6
3,3'-Methylenebis	1 - 10 %	C	R 21/22-34-52	266-235-8
Distillates (Petroleum)	1 - 10 %	Xn	R 38-65-66	265-149-8
2-Ethylhexanol	0 - 10 %	Xi	R 36/37/38-52/53	203-234-3
Mesitylene	0 - 1 %	Xi, N	10-37-51/53	203-604-4
Naphtalene	0 - 1%	N Xn	22-40-50/53	203-604-4
1,2,4-Trimethylbenzene	0 - 10 %	N Xn	10-20-36/37/38-51/53	202-436-9
Hydroxyethylated aminoethylamide	0,1 - 1 %	C	R 34-43-52/53	Polymère

<b>4</b>	<b>First aid measures</b>
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**General information**

Immediately remove any clothing soiled by the product

Symptoms may even occur after several hours, medical observation is recommended at least 48 hours after the accident.

**After Inhalation**

Supply fresh air and to be sure call for a doctor

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact**

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water

**After eye contact**

Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing**

Call for a doctor immediately.

Drink plenty of water and provide fresh air.

**Information for doctor:**

Treatment if swallowed or in case of vomiting, danger of entering the lungs.

<b>5</b>	<b>Fire-fighting measures</b>
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**Suitable extinguishing agents:** CO2, foam, powder

**For safety reason unsuitable extinguishing agents:**

Water with full jet

**Special hazards caused by the substance, its products of combustion or resulting gases:**

Formation of toxic gases is possible during heating or in case of fire.

**Protective equipment:**

Mouth respiratory protective device

Wear self-contained protective device

Wear fully protective suit

<b>6</b>	<b>Accidental release measures</b>
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**Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

**Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system..

Do not allow to enter sewers/surface or ground water.

**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Remove from the water surface (e.g. skim or suck off).

**Additional information:**

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

<b>7</b>	<b>Handling and Storage</b>
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**Handling**

**Information for safe handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

**Information about fire and explosion protection:** No special required.

**Storage**

**Requirement to be met by storerooms and receptacles:** Stores in a cool location.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep container tightly sealed.

<b>8</b>	<b>Exposure controls/personal protection</b>
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**Additional information about design of technical facilities:** No further data, see item 7.

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

**Personal protective equipment:****General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes and skin.

**Respiratory protection:**

In case of brief exposure or low pollution, use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:**

Protective gloves

**Material of gloves**

The selection of the suitable gloves does not depend on the material but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

PVC Gloves

**Penetration of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye Protection:**

Tightly sealed goggles

**Body protection:** Protective work clothing

<b>9</b>	<b>Physical and chemical properties</b>
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**General Information**

<b>Form</b>	Fluid
<b>Color:</b>	Clear
<b>Odor:</b>	Characteristic

**Change in condition**

<b>Melting point/Melting rang</b>	Undetermined
<b>Boiling point/Boiling range</b>	Undetermined

<b>Flash point:</b>	66°C
<b>Ignition temperature:</b>	210°C
<b>Self-igniting:</b>	Product is not self-igniting
<b>Danger of explosion:</b>	Product does not present explosion hazard
<b>Explosion limits:</b>	

<b>Lower:</b>	0,5 Vol %
<b>Upper:</b>	5,5 Vol %
<b>Vapor pressure at 20°C:</b>	2 hPa
<b>Density at 20°C:</b>	0,9
<b>Solubility in/Miscibility with water:</b> Not miscible or difficult to mix.	

<b>10</b>	<b>Stability and reactivity</b>
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**Thermal decomposition / Conditions to be avoided:**

To avoid decomposition, do not overheat.

**Dangerous reactions:**

Reacts with strong oxidizing agents

**Dangerous decomposition products**

No dangerous decomposition known

<b>11</b>	<b>Toxicological information</b>
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**Harmful :** may cause lung damage if swallowed**Primary irritant effect:****On the skin:** irritating to skin**On the eye:** irritating to eyes**Sensitization:** Sensitization possible through skin contact**Inhalation :** May cause respiratory tract irritation. Vapours may cause drowsiness and dizziness.

<b>12</b>	<b>Ecological information</b>
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**Information about elimination (persistence and degradability):****Other information:** The product is difficultly biodegradable.**Ecotoxicological effects:****Remark:** Toxic for fish.

Do not allow product to reach ground water, water course or sea sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

<b>13</b>	<b>Disposal consideration</b>
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**Product:**

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

**Unclean packaging:**

Disposal must be made according to official regulations.

<b>14</b>	<b>Transport information</b>
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**Land transport ADR/RID (Cross-border):****ADR/RID Class:** 9**Danger code (Kemler):** 90**UN Number:** 3082**Packaging group:** III**Hazard label:** 9**Description of good:** Environmentally hazardous substance, liquid, nos (petroleum naphtha)**Maritime transport IMDG:****IMDG Class:** 9**UN Number:** 3082**Label:** 9**Packaging group:** III

**EMS Number:** F-A, S-F  
**Marine pollutant:** No  
**Proper shipping name:** Environmentally hazardous substance, liquid, nos (petroleum naphtha)

**Air transport ICAO-TI and IATA-DGR:**

**ICAO-IATA Class:** 9  
**UN / ID Number:** 3082  
**Label:** 9  
**Packaging group:** III  
**Proper shipping name:** Environmentally hazardous substance, liquid, nos (petroleum naphtha)

<b>15</b>	<b>Regulatory information</b>
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**Labeling according to EU Guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**Code letter and hazard designation of product:**

 N	 Xn	Xn harmful  N Dangerous for the environment
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**Risk phrases:**

**R36/38** Irritating to eyes and skin  
**R51/53** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
**R65** Harmful: may cause lung damage if swallowed.  
**R67** Vapours may cause drowsiness and dizziness

**Safety phrases:**

**S2** Keep out of the reach of children.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
**S37** Wear suitable protective gloves  
**S46** If swallowed, seek medical advice immediately and show this container label  
**S57** Use appropriate container to avoid environmental contamination.  
**S60** This material and its container must be disposed of as hazardous waste.  
**S61** Avoid release to the environment. Refer to special instructions / Safety data sheets

<b>16</b>	<b>Other information</b>
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The information is based on the present state of our knowledge. It is believed to be correct but is not necessarily all-inclusive and shall be used only as a guide. Actioil Distribution SA shall not be held liable for any damage resulting from handling or from contact with the above product. For further information, please contact Actioil Distribution SA.