



SAFETY DATA SHEET

Vplus7

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1. Product Name: Vplus7
Diesel engine fuel additive.

2. Composition

Name	CAS No	Symbols	R Phrases	Content %
Solvent naphtha (petroleum) heavy aromatic	064742-94-5	Xn, N	37/38, 51/53, 65	5-10
1,2-dihydroxybenzene	120-80-9	Xn, Xi	21/22, 36/38	1-5
2,6-di-tert-butyl-phenol	128-39-2	Xi, N	36/37/38, 51/53	5-10
N,N'-Disalicylidene-1,2-propanediamine	94-91-7	Xn, Xi	22, 36/38, 43	0.1-1
Butylphenols	98-54-4	Xi, N	36/37/38, 51/53	1-5
Polymer			53	1-5
1-methyl-4-(1-methylethyl)cyclohexene	138-86-3		22, 36, 37/38	15-35
2-ethylhexyl nitrate	27247-96-7	Xn, N	20/21, 44, 51/53	20-30
Polyolefin amide alkyleneamine			53	2.5-10
1,2,4 Trimethylbenzene	95-63-6	Xn, N	10, 20, 36/37/38, 51/53	0.1-3
Mesitylene	108-67-8	Xi, N	10, 37, 51/53	0-1
Diphenyl	202-163-5	Xi, N	36/37/38, 50/53	0-1
Cumene	202-704-5	Xn, N	10, 37, 51/53, 65	0-1

3. Hazard identification, Xn, Xi, N

R10	Flammable
R20	Harmful by inhalation
R21	Harmful in contact with skin
R22	Harmful if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R43	May cause sensitisation by skin contact
R44	Risk of explosion if heated under confinement
R47	May cause birth defects
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed

4. First Aid Measures

Contact with skin:	Remove contaminated clothing. Wash immediately with plenty of soap and water. Get medical attention
Contact with eyes:	Wash immediately with eyewash solution or clean water, holding eyelids apart for at least 10 minutes. Get prompt medical attention
Ingestion:	If swallowed, rinse mouth with plenty of water, then drink promptly 1 or 2 glasses of water. Do NOT induce vomiting unless directed to do so by a doctor. Get medical attention.
Inhalation:	Remove patient from exposure, keep warm and at rest. Get medical attention
Other information:	

5. Fire fighting measures

Combustible.

In case of fire use foam, carbon dioxide or dry agent. DO NOT use water jet. Use water spray to cool containers exposed to fire and to protect personnel. Toxic gases are generated by combustion and thermal decomposition. Firefighters should wear full protective gear including SCBA sets with full face shields.

6. Accidental Release Measures

Avoid contact with skin and eyes. Wear appropriate protective clothing. Use appropriate containment to avoid environmental contamination. Absorb spillage on earth or sand. Dispose of in accordance with local regulations. The appropriate regulatory body must be alerted to spillages or uncontrolled discharges to watercourses.

7.1 Handling

Do not breath spray or high concentrations of mists.
Avoid contact with skin and eyes.
Eye wash fountains in the place of work are recommended.
Provide adequate ventilation.

7.2 Storage

Keep in tightly closed, clearly labelled containers.
Avoid freezing. Store in temperature range 5°C to 40°C.
Keep away from food, drink and animal feedstuffs.

8. Exosure Protection/Personal Protection

Wear suitable protective clothing, including eye/face protection and nitrile gloves.
Provide adequate general and local exhaust ventilation.
Provide eyewash.

Wash before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.
Promptly remove any clothing that becomes wet. Isolate contaminated clothing and wash before reuse.

9. Physical and chemical properties

Appearance: Liquid.
Colour: Dark Brown
Odour: Organic
Solubility: Insoluble in water, miscible with most oils, fats and organic solvents.
Relative density at 20°C 0.88

The above data are typical values and do not constitute a specification.

10. Stability and reactivity

Hazardous reactions: Stable under normal conditions
Conditions to avoid: Heat, temperatures above 50°C
Materials to avoid: Strong oxidising agents, acids & alkalis, metal halides
Hazardous decomposition products: Products of thermal decomposition may include toxic gas.

11. Toxicological Information

Inhalation: Harmful by inhalation of sprays or aerosols
Ingestion: Low acute oral toxicity, but minute amounts aspirated into the lungs
During ingestion may cause pulmonary injury. The onset of respiratory symptoms may be delayed for several hours after exposure.
Skin contact: Irritating to skin. Repeated or prolonged contact with the skin may lead to sensitisation.
Eye contact: Irritating.

12. Ecological Information

No ecotoxicological testing has been carried out to determine the environmental effects of this preparation. Based on ecological information on its components, this product is expected to be toxic to aquatic organisms and has potential for bioaccumulation. Prevent concentrated product from entering into ground and surface water.

13. Transport information

UN Dangerous goods: UN No. 3082 Packing group III

Road/Rail(ADR/RID) Hazard class:9 Classification: miscellaneous dangerous goods
Classification code: M6
Tremcard: 90GM6-III

Proper shipping name: **Environmentally Hazardous Substances, Liquid, N.O.S.** (contains aromatic petroleum distillate)