

Section 1 Identification of substance/mixture and of the company/undertaking**1.1 Product Identifier**

Code: 43964

Name: Performance Formula

1.2 Relevant identified uses of the substance or mixture and (uses advised against)**Relevant identified uses (see section 7.3 for information on REACH registered uses)**

Diesel fuel additive for polar temperatures

1.3 Details of the supplier of the safety data sheet

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E-mail contact **additives@stanadyne.it****1.4 Emergency Telephone number**

Hospital “Azienda Ospedaliera Niguarda Ca’ Granda”, Milan (Italy) – Tel. (+39) 02 66101029 (24h assistance)

Section 2 Hazards Identification**2.1 Classification of the substance or mixture****(EC) No 1272/2008**

Carc. 2; H351

STOT SE 3; H336

Asp. Tox. 1; H304

Aquatic Chronic 2; H411

67/548/EC or 1999/45/EC

N

Xn

R40

R51/53

R65

R67

For a full text of R- and H- phrases: See section 16**2.2 Label elements****(EC) No 1272/2008**

Danger.

May be fatal if swallowed and enters airways.

May cause drowsiness and dizziness.

Suspected of causing cancer.

Toxic to aquatic life with long lasting effects.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust / fume / gas / mist / vapours / spray. Use only outdoors or in a well-ventilated area. Wear protective gloves / eye protection / face protection. Avoid release to the environment.

If skin irritation occurs: Get medical attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

If exposed or concerned: Get medical attention.

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

All disposal practices must be in accordance with local, national and international regulations. Collect spillage.

Supplemental label information

None.

2.3 Other hazards

None identified.

Section 3	Composition/Information on Ingredients
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3.2 Mixtures**(EC) No 1272/2008**

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
926-141-6	Not Available	From 10 to 100 percent	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Asp. Tox. 1; H304
919-284-0	01-2119463588-24	From 10 to 100 percent	Hydrocarbons, C10, aromatics, >1% naphthalene	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 STOT SE 3; H336
202-436-9	Not Available	From 0 to 10.0 percent	Benzene, 1,2,4-trimethyl-	Acute Tox. 4; H332 Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H335
202-049-5	Not Available	From 0 to 10.0 percent	Naphthalene	Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Carc. 2; H351 Flam. Sol. 2; H228
203-604-4	Not Available	From 0 to 10.0 percent	1,3,5-trimethylbenzene	Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H335
208-394-8	Not Available	From 0 to 10.0 percent	1,2,3-Trimethylbenzene	Eye Irrit. 2; H319 Flam. Liq. 3; H226 Skin Irrit. 2; H315
N/E	Not Available	From 0 to 10.0 percent	Alkylated phenol	Eye Irrit. 2; H319

67/548/EC or 1999/45/EC

EC No.	Registration Number	Percentage (by wt.)	Name	Classification 67/548/EC
926-141-6	Not Available	From 10 to 100 percent	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Xn R65
919-284-0	01-2119463588-24	From 10 to 100 percent	Hydrocarbons, C10, aromatics, >1% naphthalene	N Xn R51/53 R65 R67
202-436-9	Not Available	From 0 to 10.0 percent	Benzene, 1,2,4-trimethyl-	N Xn R10 R20 R36/37/38 R51/53
202-049-5	Not Available	From 0 to 10.0 percent	Naphthalene	N Xn R11 R22 R40 R50/53
203-604-4	Not Available	From 0 to 10.0 percent	1,3,5-trimethylbenzene	N Xi R10 R36/37/38 R51/53
208-394-8	Not Available	From 0 to 10.0 percent	1,2,3-Trimethylbenzene	Xi R10 R36/38
N/E	Not Available	From 0 to 10.0 percent	Alkylated phenol	Xi R36/38

600, 700, 800 and 900 ECHA List Numbers do not have any legal significance; rather they are purely technical identifiers and are displayed for informational purposes only.

Section 4	First Aid Measures
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4.1 Description of first aid measures**Skin**

Wash with soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. Call a poison center or doctor if exposed or you feel unwell.

Swallowed

Do NOT induce vomiting. Immediately call a poison center or doctor. Aspiration of material due to vomiting can cause chemical pneumonitis which can be fatal. If vomiting occurs naturally, the casualty should lean forward to reduce the risk of aspiration.

Advice for first-aid providers

When providing first aid always protect yourself against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. If providing CPR use mouthpieces, resuscitation bags, pocket masks or other ventilation devices. After providing first aid wash your exposed skin with soap and water.

4.2 Most important symptoms and effects, both acute and delayed

See section 11.

4.3 Indication of any immediate medical attention and special treatment needed

If exposed or concerned: Get medical attention.

Section 5	Fire Fighting Measures
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5.1 Extinguishing Media

CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.

5.2 Special hazards arising from substance or mixture

Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Container may rupture on heating. See section 10 for additional information.

5.3 Advice for firefighters

Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.

Section 6	Accidental Release Measures
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6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area. Eliminate all ignition sources if safe to do so.

6.2 Environmental precautions

Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

6.3 Methods and material for containment and cleaning up

Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

6.4 Reference to other sections

See sections 8 and 13 for additional information.

Section 7	Handling and Storage
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7.1 Precautions for safe handling

Keep away from potential sources of ignition. Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Avoid breathing dust, fume, gas, mist, vapors or spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Pumping Temperature

Not determined.

Maximum Handling Temperature

Not determined.

Maximum Loading Temperature

Not determined.

7.2 Conditions for safe storage, including any incompatibilities

Do not store near potential sources of ignition. Take precautions to avoid release to the environment. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. See section 10 for incompatible materials.

Maximum Storage Temperature

Not determined.

7.3 Specific end use(s)

End uses are listed in an attached exposure scenario when one is required.

Section 8	Exposure Controls/Personal Protection
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8.1 Control parameters

Country	Substance	Long Term (8 Hours T.W.A.)	Short Term (15 mins.)
Austria	1,3,5-Trimethylbenzene	20 ppm	30 ppm
Austria	1,2,3-Trimethylbenzene	20 ppm	30 ppm
Austria	Naphthalene	10 ppm (s)	N/E
Austria	Benzene, 1,2,4-trimethyl-	20 ppm	30 ppm
Belgium	1,3,5-Trimethylbenzene	20 ppm	N/E
Cyprus	Mesitylene	20 ppm	N/E
Cyprus	1,2,3-Trimethylbenzene	20 ppm	N/E
Cyprus	Naphthalene	10 ppm	N/E
Cyprus	1,2,4-Trimethylbenzene	20 ppm	N/E
Czech Republic	1,3,5-Trimethylbenzene	100 mg/cu. M	250 mg/cu. M (c)
Czech Republic	1,2,3-Trimethylbenzene	100 mg/cu. M	250 mg/cu. M (c)
Czech Republic	Naphthalene	50 mg/cu. M	100 mg/cu. M (c)
Czech Republic	Benzene, 1,2,4-trimethyl-	100 mg/cu. M	250 mg/cu. M (c)
Denmark	1,3,5-Trimethylbenzene	20 ppm	N/E
Denmark	1,2,3-Trimethylbenzene	20 ppm	N/E
Denmark	Naphthalene	10 ppm	N/E
Denmark	Benzene, 1,2,4-trimethyl-	20 ppm	N/E
EU	1,3,5-Trimethylbenzene	20 ppm	N/E
EU	1,2,3-Trimethylbenzene	20 ppm	N/E
EU	Naphthalene	10 ppm	N/E
EU	Benzene, 1,2,4-trimethyl-	20 ppm	N/E
Estonia	1,3,5-Trimethylbenzene	20 ppm	N/E
Estonia	1,2,3-Trimethylbenzene	20 ppm	N/E
Estonia	Naphthalene	10 ppm	N/E
Estonia	Benzene, 1,2,4-trimethyl-	20 ppm	N/E
Finland	1,3,5-Trimethylbenzene	20 ppm	N/E
Finland	1,2,3-Trimethylbenzene	20 ppm	N/E
Finland	Naphthalene	1 ppm	2 ppm
Finland	Benzene, 1,2,4-trimethyl-	20 ppm	N/E
France	1,3,5-Trimethylbenzene	20 ppm	50 ppm
France	1,2,3-Trimethylbenzene	20 ppm	50 ppm
France	Naphthalene	10 ppm	N/E
France	Benzene, 1,2,4-trimethyl-	20 ppm	50 ppm
Greece	Mesitylene	25 ppm	N/E
Greece	1,2,3-Trimethylbenzene	25 ppm	N/E
Greece	Naphthalene	10 ppm	N/E
Greece	1,2,4-Trimethylbenzene	25 ppm	N/E
Hungary	1,3,5-Trimethylbenzene	100 mg/cu. M	N/E
Hungary	1,2,3-Trimethylbenzene	100 mg/cu. M	N/E
Hungary	Naphthalene	50 mg/cu. M	N/E
Hungary	Benzene, 1,2,4-trimethyl-	100 mg/cu. M	N/E
Ireland	Mesitylene	20 ppm	N/E
Ireland	1,2,3-Trimethylbenzene	20 ppm (s)	N/E
Ireland	Naphthalene	10 ppm	15 ppm
Ireland	Benzene, 1,2,4-trimethyl-	20 ppm	N/E
Italy	1,3,5-Trimethylbenzene	20 ppm	N/E
Italy	1,2,3-Trimethylbenzene	20 ppm	N/E
Italy	Benzene, 1,2,4-trimethyl-	20 ppm	N/E
Netherlands	1,3,5-Trimethylbenzene	N/E	40 ppm
Netherlands	1,2,3-Trimethylbenzene	N/E	40 ppm
Netherlands	Naphthalene	50 mg/cu. M	80 mg/cu. M
Netherlands	Benzene, 1,2,4-trimethyl-	100 mg/cu. M	200 mg/cu. M
Norway	1,3,5-Trimethylbenzene	20 ppm	30 ppm
Norway	1,2,3-Trimethylbenzene	20 ppm	30 ppm
Norway	Naphthalene	10 ppm	20 ppm
Norway	Benzene, 1,2,4-trimethyl-	20 ppm	30 ppm
Poland	1,3,5-Trimethylbenzene	100 mg/cu. M	170 mg/cu. M
Poland	1,2,3-Trimethylbenzene	100 mg/cu. M	170 mg/cu. M
Poland	Naphthalene	20 mg/cu. M	50 mg/cu. M
Poland	Benzene, 1,2,4-trimethyl-	100 mg/cu. M	170 mg/cu. M

Portugal	Naphthalene	10 ppm	15 ppm
Slovenia	1,3,5-Trimethylbenzene	20 ppm	N/E
Slovenia	1,2,3-Trimethylbenzene	20 ppm	N/E
Slovenia	Naphthalene	10 ppm	N/E
Slovenia	Benzene, 1,2,4-trimethyl-	20 ppm	N/E
Slovak Republic	1,3,5-Trimethylbenzene	20 ppm	200 mg/cu. M (c)
Slovak Republic	1,2,3-Trimethylbenzene	20 ppm	200 mg/cu. M (c)
Slovak Republic	Naphthalene	10 ppm	80 mg/cu. M (c)
Slovak Republic	Benzene, 1,2,4-trimethyl-	20 ppm	200 mg/cu. M (c)
Spain	1,3,5-Trimethylbenzene	20 ppm	N/E
Spain	1,2,3-Trimethylbenzene	20 ppm	N/E
Spain	Naphthalene	10 ppm	15 ppm
Spain	Benzene, 1,2,4-trimethyl-	20 ppm	N/E
Sweden	1,3,5-Trimethylbenzene	25 ppm	35 ppm
Sweden	1,2,3-Trimethylbenzene	25 ppm	35 ppm
Sweden	Naphthalene	10 ppm	15 ppm
Sweden	Benzene, 1,2,4-trimethyl-	25 ppm	35 ppm
Switzerland	Naphthalene	10 ppm	N/E
Germany (TRGS 900)	1,3,5-Trimethylbenzene	20 ppm	N/E
Germany (TRGS 900)	1,2,3-Trimethylbenzene	20 ppm	N/E
Germany (TRGS 900)	Naphthalene	0.10 ppm (s)	N/E
Germany (TRGS 900)	Benzene, 1,2,4-trimethyl-	20 ppm	N/E

Other Exposure Limits

Contains petroleum naphtha. The UK Solvents Industry Association recommends a RCP TWA (8h) 1,200 mg/m³.

8.2 Exposure controls

Material should be handled in enclosed vessels and equipment, in which case general (mechanical) room ventilation should be sufficient. Local exhaust ventilation should be used at points where dust, mist, vapors or gases can escape into the room air. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.

Eye/face protection

Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

Skin protection

Nitrile. Polyvinyl alcohol. Note: polyvinyl alcohol gloves are water soluble and should not be used when there is potential for water contact.

Gloves, coveralls, apron, boots as necessary to minimize contact. Wear either a chemical protective suit or apron when potential for contact with material exists. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

Respiratory Protection

Use full face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

Hygiene Measures

Wash thoroughly after handling this product.

Environmental exposure controls

See section 6 for details.

Section 9	Physical and Chemical Properties
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9.1 Information on basic physical and chemical properties

Appearance	Clear amber liquid.
Odour	Mild
Odour Threshold	Not determined.
pH	Not determined.
Melting / Freezing Point	Not determined.
Boiling Point	Not determined.
Boiling Point Range	Not determined.
Flash Point	>= 67 °C, 152.6 °F PMCC (Minimum)
Evaporation Rate	Not determined.
Flammability (solid,gas)	Not applicable.
Lower flammability or explosive limit	Not determined.
Upper flammability or explosive limit	Not determined.
Vapour Pressure	Not determined.
Vapour Density	Not determined.
Relative density	0.9 (15.6 °C)

Bulk Density	Not determined.
Water Solubility	Insoluble.
Other solubilities	Not determined.
Partition coefficient: n-octanol/water	Not determined.
Autoignition Point	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Material does not have explosive properties.
Oxidising properties	Material is a non-oxidising substance.

9.2 Other information

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

Section 10	Stability and Reactivity
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10.1 Reactivity

Carefully review all information provided in sections 10.2 - 10.6.

10.2 Chemical stability

Material is normally stable at moderately elevated temperatures and pressures.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

Not determined.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

Section 11	Toxicological Information
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11.1 Information on toxicological effects

Acute toxicity

Oral

The LD50 in rats is > 2000 mg/Kg. Based on data from components or similar materials. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in pulmonary edema and chemical pneumonitis. Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death.

Dermal

The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials. Prolonged or widespread contact with this material could result in the absorption of potentially harmful amounts.

Inhalation

High concentrations may cause headaches, dizziness, nausea, stupor, and other central nervous system effects leading to visual impairment, difficulty breathing and convulsions.

Skin corrosion / irritation

May cause mild skin irritation. Does not meet Canadian D2B or EU R38 criteria. Based on data from similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Serious eye damage / irritation

May cause eye irritation. Does not meet Canadian D2B or EU R36 criteria. Based on data from similar materials. Repeated overexposure to naphthalene may cause cataracts.

Respiratory Irritation

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

Respiratory or skin sensitization

Skin

No data available to indicate product or components may be a skin sensitizer.

Respiratory

No data available to indicate product or components may be respiratory sensitizers.

Germ cell mutagenicity

Naphthalene has caused mutagenic effects in in vitro studies with metabolic activation, however, in vivo studies do not show evidence of germ cell mutagenicity.

Carcinogenicity

A two-year National Toxicology Program (NTP) study found an increased incidence of tumors of the nose in rats exposed to naphthalene by inhalation. In mice similarly exposed, increased incidences of alveolar/bronchiolar adenomas were observed. Naphthalene has been classified by the International Agency for Research on Cancer (IARC) as a possible human carcinogen (Group 2B) on the basis of sufficient evidence of carcinogenicity in experimental animals but inadequate evidence in exposed humans.

Reproductive Toxicity

No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

STOT repeated exposure

Repeated overexposure to petroleum naphtha can cause nervous system damage. Repeated overexposure to naphthalene may cause destruction of red blood cells with anemia, fever, jaundice and kidney and liver damage.

Other information

No other health hazards known.

Section 12	Ecological Information
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12.1 Toxicity**Freshwater fish**

The acute LC50 is 1 - 10 mg/L based on component data.

Freshwater invertebrates

The acute EC50 is 1 - 10 mg/L based on component data.

Algae

The acute EC50 is 1 - 10 mg/L based on component data.

Saltwater fish

Not determined.

Saltwater invertebrates

Not determined.

Bacteria

Not determined.

12.2 Persistence and degradability

Substance	Pct. (weight)	Test type	Duration (days)	Pct. degradation
Hydrocarbons, C10, aromatics, >1% naphthalene	From 10 to 100 percent	Manometric Respirometry	28	58

12.3 Bioaccumulative potential

Substance	Pct. (weight)	Test type	Duration (days)	Log Kow or BCF
Benzene, 1,2,4-trimethyl-	From 0 to 10.0 percent	Octanol-Water Coefficient	0.1	3.6

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

Not Available

12.6 Other adverse effects

None known.

Section 13	Disposal Considerations
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13.1 Waste treatment methods

All disposal practices must be in accordance with local, regional, national and international regulations. Do not dispose in landfill.

Empty container retains product residue and can be hazardous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity, or other sources of ignition. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Section 14	Transport Information
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14.1 UN number

ADR/RID	UN3082
ICAO	UN3082
IMDG	UN3082

14.2 UN proper shipping name

ADR/RID	Environmentally hazardous substance, liquid, n.o.s.(Naphthalene, Petroleum naphtha)
ICAO	Environmentally hazardous substance, liquid, n.o.s.(Naphthalene, Petroleum naphtha)

	IMDG	Environmentally hazardous substance, liquid, n.o.s.(Naphthalene, Petroleum naphtha)
14.3 Transport hazard class(es)		
	ADR/RID	9
	ICAO	9
	IMDG	9
14.4 Packing group		
	ADR/RID	III
	ICAO	III
	IMDG	III
14.5 Environmental hazards		
	ADR/RID	Aquatic Pollutant(Naphthalene, Petroleum naphtha)
	ICAO	Marine Pollutant(Naphthalene, Petroleum naphtha)
	IMDG	Marine Pollutant(Naphthalene, Petroleum naphtha)

14.6 Special precautions for users

Review classification requirements before shipping materials at elevated temperatures.

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

Not determined.

Section 15	Regulatory Information
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15.1 Safety, health and environment regulations / legislation specific for the substance or mixture

Global Chemical Inventories

Australia	All components are in compliance with chemical notification requirements in Australia.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.
EU	To obtain information on the REACH compliance status of this product, please visit Lubrizol.com/REACH , or e-mail us at REACH_MSDS_INQUIRIES@Lubrizol.com
Japan	This product requires notification in Japan.
Korea	This product requires notification before sale in Korea.
New Zealand	All components are in compliance with chemical notification requirements in New Zealand.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Taiwan	All components of this product are listed on the Taiwan inventory.
USA	All components of this material are on the US TSCA Inventory or are exempt.

German water hazard classes

WGK = 2 according to the Water Hazardous Directive, VwVwS, dated May 17, 1999.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16	Other Information
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Created by

Product Safety and Compliance Department (440-943-1200)

Created Date

09 October 2013

Revision date

09 October 2013

SDS No.

23733189-2102320-3181321-102103

HMIS Codes

Health	Fire	Reactivity
1*	2	0

Relevant R Phrases

- R10 -- Flammable.
- R11 -- Highly flammable.
- R20 -- Harmful by inhalation.
- R22 -- Harmful if swallowed.
- R36/37/38 -- Irritating to eyes, respiratory system and skin.
- R36/38 -- Irritating to eyes and skin.

R40 -- Limited evidence of a carcinogenic effect.
R50/53 -- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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 -- Vapors may cause drowsiness or dizziness.

Relevant hazard phrases

H226 - Flammable liquid and vapor.
H228 - Flammable solid.
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.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness and dizziness.
H351 - Suspected of causing cancer.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
H411 - Toxic to aquatic life with long lasting effects.

Revision Indicators

This MSDS has no revisions since 9 October 2013

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.