

# SAFETY DATA SHEET

### 1. Identification

Product identifier	Pro-Flex	
Other means of identification		
Product Code	26037	
Recommended use	Not available.	
Manufacturer/Importer/Supplier/	Distributor information	
Manufacturer		
Company name Address	Quest Automotive Products 600 Nova Drive SE Massillon, OH 44646 United States	
Telephone	General Assistance	(330) 830-6000
E-mail	rpandrus@quest-ap.com	
Contact person	Ron Andrus	
Emergency phone number	CHEMTREC	(800) 424-9300
2. Hazard(s) identification		
Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4

nealth hazarus	Acoustic toxicity, oran	Outegory 4
	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	

Label elements

Danger

Signal word Hazard statement

Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. Suspected of causing genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If eye incluse of fire: Use appropriate media to extinguish. Collect spillage.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
Supplemental information	74.1% of the mixture consists of component(s) of unknown acute oral toxicity. 76.38% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 76.38% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

# 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Talc		14807-96-6	20 to <30
Magnesium carbonate		546-93-0	10 to <20
Styrene, monomer		100-42-5	10 to <20
Titanium dioxide		13463-67-7	5 to <10
Silicon dioxide		7631-86-9	1 to <5
Sodium silicate		1344-09-8	1 to <5
1,4-Benzoquinone		106-51-4	0.1 to <1
N,N-Diethylaniline		91-66-7	0.1 to <1
Sodium metaborate		7775-19-1	0.1 to <1
Other components below reportable leve	ls		30 to <40

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information** Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. 5. Fire-fighting measures Suitable extinguishing media Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable extinguishing media Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source Specific hazards arising from of ignition and flash back. This product is a poor conductor of electricity and can become the chemical electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed. Special protective equipment Self-contained breathing apparatus and full protective clothing must be worn in case of fire. and precautions for firefighters **Fire fighting** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. equipment/instructions Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards Flammable liquid and vapor.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Use appropriate containment to avoid environmental contamination.

### 7. Handling and storage

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Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
	For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

#### **Occupational exposure limits**

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	PEL	0.4 mg/m3	
,		0.1 ppm	
Magnesium carbonate (CAS 546-93-0)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
US. OSHA Table Z-2 (29 CFR 1910.1	000)		
Components	Туре	Value	
Styrene, monomer (CAS 100-42-5)	Ceiling	200 ppm	
	TWA	100 ppm	
US. OSHA Table Z-3 (29 CFR 1910.1	000)		
Components	Туре	Value	Form
Silicon dioxide (CAS 7631-86-9)	TWA	0.8 mg/m3	
		20 mppcf	
Talc (CAS 14807-96-6)	TWA	0.3 mg/m3	Total dust.
		0.1 mg/m3	Respirable.
		20 mppcf	·
		2.4 mppcf	Respirable.
US. ACGIH Threshold Limit Values			
Components	Туре	Value	Form
1,4-Benzoquinone (CAS 106-51-4)	TWA	0.1 ppm	

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Components	nit Values Type		Va	lue	Form
Styrene, monomer (CAS 100-42-5)	STEL		40	ppm	
100 12 0)	TWA		20	ppm	
Talc (CAS 14807-96-6)	TWA			ng/m3	Respirable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA		10	mg/m3	
US. NIOSH: Pocket Guide Components	e to Chemical Hazards Type		Va	lue	Form
1,4-Benzoquinone (CAS	TWA			4 mg/m3	
106-51-4)			0 -	1 ppm	
Magnesium carbonate (CAS 546-93-0)	TWA			ng/m3	Respirable.
, , , , , , , , , , , , , , , , , , ,			10	mg/m3	Total
Silicon dioxide (CAS 7631-86-9)	TWA		6 ו	ng/m3	
Styrene, monomer (CAS 100-42-5)	STEL			5 mg/m3	
				0 ppm	
	TWA			5 mg/m3	
T-1- (040 44007 00 0)	<b>T</b> \A/A			ppm	Dessizable
Talc (CAS 14807-96-6)	TWA		21	mg/m3	Respirable.
logical limit values					
ACGIH Biological Exposu Components	ure Indices Value	Determinant	Specimen	Sampling T	Time
Styrene, monomer (CAS 100-42-5)	400 mg/g	Mandelic acid plus phenylglyoxylic acid	Creatinine in urine	*	
	0.2 mg/l	Styrene	Venous blood	*	
* - For sampling details, ple	ase see the source docu	iment			
		annont.			
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When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. General hygiene considerations

# 9. Physical and chemical properties

·····	
Appearance	
Physical state	Liquid.
Form	Liquid. Paste
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-23.8 °F (-31 °C) estimated
Initial boiling point and boiling range	293 °F (145 °C) estimated
Flash point	93.9 °F (34.4 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.1 % estimated
Flammability limit - upper (%)	6.1 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	543.66 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	914 °F (490 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	9.40 lbs/gal
Flammability class	Flammable IC estimated
Percent volatile	19.81 % estimated
Specific gravity	1.13
VOC	19.5779576 % estimated
10. Stability and reactivity	
Popotivity	The product is stable and non-reactive under normal conditions of use, storage and transport

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Aluminum. Peroxides.
Hazardous decomposition products	No hazardous decomposition products are known.

# 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

Component         Species         Test Results           1.4-Benzoquinone (CAS 108-51-4)	Acute toxicity	Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed.		
Ácute Ora LD50Rat130 mg/kgN-Diethylaniline (CAS 91-86-7)-Ácute Oral LD50Rat782 mg/kgSilicon dioxide (CAS 7631-86-9)-Ácute Oral LD50Rat782 mg/kgOral LD50Rat25000 mg/kgOral LD50Rat25000 mg/kgOral LD50Rat2300 mg/kgSodium metaborate (CAS 7775-19-'-Ácute Oral LD50Rat2300 mg/kgSodium metaborate (CAS 1775-19-'-Ácute Oral LD50Rat2300 mg/kgSodium silicate (CAS 1344-09-8)Ácute ID50Mouse1100 mg/kgStremer (CAS 100-42-')Ácute InhalationÁcute InhalationID50Mouse1100 mg/kgID50Mouse1100 mg/kgID50Mouse-Acute Inhalation-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50Mouse-ID50MouseID50	Components	Species	Test Results	
oral LD50         Rat         130 mg/kg           LD50         Rat         130 mg/kg           NN-UEINTIME (CAS 91-66-7)         F         F           LD50         Rat         782 mg/kg           Oral LD50         Rat         782 mg/kg           Solicon dioxide (CAS 7631-86-9)         F         782 mg/kg           Solicon dioxide (CAS 7631-86-9)         Rat         20500 mg/kg           Coral LD50         Mouse         > 15000 mg/kg           Coral LD50         Rat         20500 mg/kg           Solium =taborate (CAS 7775-19-1/ LD50         Rat         330 mg/kg           Solium =taborate (CAS 1344-09-8)         J         J           CD50         Rat         1100 mg/kg           LD50         Mouse         1100 mg/kg           LD50         Mouse         1100 mg/kg           LD50         Mouse         4940 ppm, 2 Hours           LC50         Rat         2770 ppm, 4 Hours           LD50         Mouse         140 mg/kg	1,4-Benzoquinone (CAS 106-51-	4)		
LD50       Rat       30 mg/kg         NU-Diethylamiline (CAS 91-66-7)       Katuan       Katuan         D50       Rat       782 mg/kg         LD50       Rat       782 mg/kg         Silicon dioxide (CAS 7631-36-9)       Katuan       782 mg/kg         Silicon dioxide (CAS 7631-36-9)       Katuan       782 mg/kg         Silicon dioxide (CAS 7631-36-9)       Rat       22500 mg/kg         Solium silicon dioxide (CAS 7775-19-17-17-17-17-17-17-17-17-17-17-17-17-17-	Acute			
NP-Diethylaniline (CAS 91-66-7):         Acute         Orai         LD50       Rat         Silicon dioxide (CAS 7631-86-9):         Acute         Orai         LD50       Mouse         LD50       Mouse         Cute       > 25000 mg/kg         Orai       > 22500 mg/kg         Sodium metaborate (CAS 7775-19-):       > 2330 mg/kg         Sodium metaborate (CAS 7775-19-):       > 330 mg/kg         Sodium metaborate (CAS 104-02-8):       > 3100 mg/kg         LD50       Mouse       1100 mg/kg         LC50       Mouse       2400 pm, 2 Hours         LC50       Rat       2770 ppm, 4 Hours         LD50       Rat       19/kg         LD50       Mouse       316 mg/kg         LD50       Rat       19/kg         LD50       Rat				
Ácute Oral LD50Rat782 mg/kgSilicon dixide (CAS 7631-86-9)Ácute Oral LD50Mouse15000 mg/kgOral LD50RatÁcute Oral LD50Rat22500 mg/kgSodium metaborate (CAS 7775-19-'- LD50Kat2330 mg/kgÁcute Oral LD50Rat2030 mg/kgSodium metaborate (CAS 1344-09-8)Kat2030 mg/kgSodium silicate (CAS 1344-09-8)Kat1100 mg/kgSodium silicate (CAS 1344-09-8)Kat1100 mg/kgSodium silicate (CAS 10442-5)Kat200 mg/kgCute Oral LD50Mouse4940 ppm,2 HoursAcute Oral LD50Mouse4940 ppm,2 HoursAcute Oral 	LD50	Rat	130 mg/kg	
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LD50       Rat       782 mg/mg         Sciencitoxide (CAS 7631-86-9)       -         Acute       -         Oral       -         LD50       Mouse       > 15000 mg/kg         Coto       -       -         Cota       -       -         Cota       -       -         LD50       Rat       2330 mg/kg         Sodium = later (CAS 1344-09-8)       -       -         Sodium silicate (CAS 1344-09-8)       -       -         LD50       Mouse       100 mg/kg         LD50       Mouse       110 mg/kg         ILD50       Mouse       4940 ppm, 2 Hours         Instalation       -       -         ILD50       Mouse       4940 ppm, 2 Hours         ILD50       Mouse       10 mg/kg         ILD50       Mouse       10 mg/kg         ILD50       Mouse       10 mg/kg         ILD50       Mouse       10 mg/kg <td></td> <td></td> <td></td>				
Silicon dioxide (CAS 7631-86-9) Acute Oral LD50 Mouse Rat Sodium metaborate (CAS 7775-19-1) Acute Oral LD50 Rat Coral LD50 Rat		Det	700	
Acute Oral LD50       Mouse       > 15000 mg/kg         LD50       Rat       > 22500 mg/kg         Sodium setaborate (CAS 7775-19-)       -       -         Acute Oral LD50       Rat       2330 mg/kg         Sodium setaborate (CAS 1734-09-8)       -       -         Katte Oral LD50       Rat       2330 mg/kg         Sodium setaborate (CAS 1344-09-8)       -       -         Katte Oral LD50       Mouse       1000 mg/kg         Sodium setaborate (CAS 1344-09-8)       -       -         Katte Oral LD50       Mouse       1100 mg/kg         LD50       Mouse       1100 mg/kg         LD50       Rat       11 g/kg         Styrene, monomer (CAS 100-42-5)       -       -         Katte Inhalation LD50       Mouse       4940 pg, 2 Hours         LD50       Mouse       2770 pgm, 4 Hours         LD50       Mouse       16 mg/kg         LD50       Mouse       1 g/kg		Rat	782 mg/kg	
OralMouse> 1500 mg/kgLD50Rat> 22500 mg/kgSodium=tetorate (CAS 7775-19)='				
LD50       Mouse       > 15000 mg/kg         Sodium				
Rat       > 2500 mg/kg         Sodium metaborate (CAS 7775-19-19-19)       Acute         Oral       2330 mg/kg         LD50       Rat       2330 mg/kg         Sodium silicate (CAS 1344-09-8)		Mouse	> 15000 mg/kg	
Sodium metaborate (CAS 7775-19-1) Acute Oral LD50 Rat 2330 mg/kg Sodium silicate (CAS 1344-09-8) Acute Oral LD50 Mouse 1100 mg/kg LD50 Rat 1.1 g/kg Styrene, monomer (CAS 100-42-5) Acute Inhalation LC50 Mouse 4940 ppm, 2 Hours Acute Inhalation LC50 Mouse 4940 ppm, 2 Hours 24 mg/l, 4 Hours Oral LD50 Mouse 316 mg/kg Rat 1 g/kg Toropic Hours Acute 1 g/kg Toropic Hours Causes skin irritation. Serious eye damage/eye Ratprotect Hours Stin corrosion/irritation Serious eye damage/eye Ratprotect Hours Causes serious eye irritation. Serious eye damage/eye Ratprotect Hours Serious eye damage/eye Ratprotect Hours Causes serious eye irritation. Serious eye damage/eye				
Acute Oral LD50Rat2330 mg/kgSodium silicate (CAS 1344-09-3)Rat2330 mg/kgCoral DralMouse1000 mg/kgD50Mouse1100 mg/kgLD50Mouse1.1 g/kgStyrene, monomer (CAS 100-42-5)KKAcute InhalationK2770 ppm, 4 HoursLC50Mouse4940 ppm, 2 HoursLC50Mouse2770 ppm, 4 HoursLC50Mouse316 mg/kgDrail LD50Mouse316 mg/kgOral LD50Mouse316 mg/kgStimates for product mate the additional component data not shown.316 mg/kgSkin corros on/irritation IrritationGuase serious eye irritation.Stimate serious eye irritation.Kin corros on/irritation IrritationGuase serious eye irritation.Stimate serious eye irritation.Kin corros on/irritation IrritationGuase serious eye irritation.Stimate serious eye irritation.Kin corros on/irritationGuase serious eye irritation.Stimate serious eye irritation.Stimate serious eye irritation.Kin corros on/irritationCuase serious eye irritation.Stimate serious eye irritation.Stimate serious eye irritation.Kin corros on/irritationCuase serious eye irritation.Stimate serious eye irritation.Stimate serious eye irritation.Kin corros on/irritationCuase serious eye irritation.Stimate serious eye irritation.Stimate serious eye irritation.Kin corros on/irritationCuase serious eye irritation.Stimate serious eye irritation. </td <td>Sodium motoboroto (CAS 7775</td> <td></td> <td>&gt; 22300 mg/kg</td>	Sodium motoboroto (CAS 7775		> 22300 mg/kg	
Oral LD50       Rat       2330 mg/kg         Sodium silicate (CAS 1344-09-8)		19-1)		
LD50Rat2330 mg/kgSodium silicate (CAS 1344-09-8)Acute Oral LD50MouseInformationRat1100 mg/kgStyrene, monomer (CAS 100-42-5)Fait100 mg/kgAcute InhalationMouse4940 ppm, 2 HoursLC50Mouse9400 ppm, 2 HoursLC50Mouse940 ppm, 2 HoursLD50Mouse316 mg/kgRat2770 ppm, 4 HoursLD50Mouse316 mg/kgRat1 g/kgStimeter for product metry between totational component data not show.* Estimates for product metry between totation.Skin corrosion/irritationCauses skin irritation.Serious evel damage/eyeCauses serious evel irritation.Respiratory or skin sensitizatiotSerious evel skin sensitizatiot				
Sodium silicate (CAS 1344-09-8) Acute Oral LD50 Mouse Rat 1100 mg/kg 1.1 g/kg Styrene, monomer (CAS 100-42-5) Acute Inhalation LC50 Mouse Rat 2770 ppm, 4 Hours 24 mg/l, 4 Hours 24 mg/l, 4 Hours Cral LD50 Mouse Nouse Rat Cral LD50 Mouse Causes scrious eye irritation. Serious eye damage/eye Rat		Rat	2330 ma/ka	
Acute Oral       Nouse       100 mg/kg         LD50       Mouse       1.1 g/kg         Styrener (CAS 100-42-5)       Fat       200 mg/kg         Styrener (CAS 100-42-5)       Kat       4940 pm, 2 Hours         LC50       Mouse       4940 pm, 2 Hours         LC50       Mouse       2770 pm, 4 Hours         LD50       Mouse       316 mg/kg         LD50       Mouse       316 mg/kg         LD50       Mouse       1 g/kg         Nouse       1 g/kg         LD50       Mouse       1 g/kg         Kat       0 cuses skin irritation.       1 g/kg         * Evitation for product motors       Serious ye anage/ege       Cuse serious eye irritation.         Kats       Serious ye irritation.       Serious ye irritation.         Respiret vor skin sensitizatiot       Serious ye irritation.       Serious ye irritation.				
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LD50 Mouse 1100 mg/kg 110 g/kg 119 g/kg				
Styrene, monomer (CAS 100-42-5) Acute Inhalation LC50 Mouse Rat Cral LD50 Mouse Nouse Rat Nouse Rat Nouse Rat Nouse Rat Nouse Nouse Rat Nouse No		Mouse	1100 mg/kg	
Acute InhalationMouse940 ppm, 2 HoursLC50Mouse2770 ppm, 4 HoursRat2770 ppm, 4 HoursDrai LD50Mouse316 mg/kgRat316 mg/kgRat1 g/kg* Estimates for product may be used in initiation319 kgSkin corrosion/irritationCuses skin irritation.Serious eye damage/eye irritationCuses serious eye irritation.Respiratory or skin sensitization:LUS Science Sc		Rat	1.1 g/kg	
Acute InhalationMouse940 ppm, 2 HoursLC50Mouse2770 ppm, 4 HoursRat2770 ppm, 4 HoursDrai LD50Mouse316 mg/kgRat316 mg/kgRat1 g/kg* Estimates for product may be used in initiation319 kgSkin corrosion/irritationCuses skin irritation.Serious eye damage/eye irritationCuses serious eye irritation.Respiratory or skin sensitization:LUS Science Sc	Styrene, monomer (CAS 100-42-	-5)		
InhalationLC50Mouse940 ppm, 2 HoursLC50Rat2770 ppm, 4 Hoursbase24 mg/l, 4 HoursCoral LD50Mouse316 mg/kgRat1 g/kg* Estimates for product mary: * Estimates for product mark: * Estimates for product mark: 		,		
Rat       2770 ppm, 4 Hours         24 mg/l, 4 Hours       24 mg/l, 4 Hours         Dotal       10 mouse         LD50       Mouse       316 mg/kg         Rat       1 g/kg         * Estimates for product may best on additional component data not shown.       1 g/kg         Skin corrosion/irritation       Causes skin irritation.         Serious eye damage/eye       Causes serious eye irritation.         Respiratory or skin sensitization:       Values serious eye irritation.				
Oral       24 mg/l, 4 Hours         LD50       Mouse       316 mg/kg         Rat       1 g/kg         * Estimates for product may based on additional component data not shown.       1 g/kg         Skin corrosion/irritation       Causes skin irritation.         Serious eye damage/eye       Causes serious eye irritation.         Respiratory or skin sensitization.       Ferson additional component data not shown.	LC50	Mouse	4940 ppm, 2 Hours	
Oral       Mouse       316 mg/kg         LD50       Make       1 g/kg         * Estimates for product may be sed on additional component data not shown.       1 g/kg         Skin corrosion/irritation       Causes skin irritation.         Serious eye damage/eye       Causes serious eye irritation.         irritation       Causes serious eye irritation.         Respiratory or skin sensitization.       Serious eye kin sensitization.		Rat	2770 ppm, 4 Hours	
LD50Mouse316 mg/kgRat1 g/kg* Estimates for product may best on additional component data not shown.Skin corrosion/irritationCauses skin irritation.Serious eye damage/eye irritationCauses serious eye irritation.Respiratory or skin sensitizationFerson and the sensitization and			24 mg/l, 4 Hours	
Rat       1 g/kg         * Estimates for product may based on additional component data not shown.         Skin corrosion/irritation       Causes skin irritation.         Serious eye damage/eye irritation.       Causes serious eye irritation.         Respiratory or skin sensitization       Ferson additional component data not shown.	Oral			
* Estimates for product may be based on additional component data not shown. Skin corrosion/irritation Causes skin irritation. Serious eye damage/eye Causes serious eye irritation. irritation Respiratory or skin sensitization	LD50	Mouse	316 mg/kg	
Skin corrosion/irritationCauses skin irritation.Serious eye damage/eye irritationCauses serious eye irritation.Respiratory or skin sensitizationSerious eye irritation.		Rat	1 g/kg	
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Serious eye damage/eye irritationCauses serious eye irritation.IrritationRespiratory or skin sensitization		-		
Respiratory or skin sensitization	Serious eye damage/eye			
		on		

Skin sensitization	This product is not expected to cause skin sensitization.		
Germ cell mutagenicity	Suspected of causing genetic defects.		
Carcinogenicity	Suspected of causing cancer.		
IARC Monographs. Overall I	IARC Monographs. Overall Evaluation of Carcinogenicity		
Not listed.	1-86-9) 100-42-5) 463-67-7) d Substances (29 CFR 1910.1 9gram (NTP) Report on Carcin		
Reproductive toxicity	May damage fertility or the unborn child.		
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.		

### 12. Ecological information

Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
1,4-Benzoquinone (CA	S 106-51-4)		
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	0.005 - 0.03 mg/l, 96 hours
N,N-Diethylaniline (CA	S 91-66-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1 - 1.6 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	16.4 mg/l, 96 hours
Sodium silicate (CAS 1	344-09-8)		
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	0.28 - 0.57 mg/l, 48 hours
Fish	LC50	Western mosquitofish (Gambusia affinis)	1800 mg/l, 96 hours
Styrene, monomer (CA	S 100-42-5)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	3.3 - 7.4 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	5.1 - 16 mg/l, 96 hours
Titanium dioxide (CAS	13463-67-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

### Bioaccumulative potential

Partition coefficient n-oc	tanol / water (log Kow)	
1,4-Benzoquinone		0.2
N,N-Diethylaniline		3.31
Styrene, monomer		2.95
Mobility in soil	No data available.	

Other adverse effectsNo other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation<br/>potential, endocrine disruption, global warming potential) are expected from this component.

# 13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

DOT	
UN number	UN1866
UN proper shipping name	Resin Solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	B1, B52, IB3, T4, TP1, TP29
Packaging exceptions	150
Packaging non bulk	203
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1866
UN proper shipping name	Resin Solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	3L
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed.
aircraft	Allowed.
Cargo aircraft only IMDG	Allowed.
	UN1866
UN number	Resin Solution
UN proper shipping name Transport hazard class(es)	Resil Solution
Class	3
Subsidiary risk	5
Packing group	-
Environmental hazards	
Marine pollutant	No.
EmS	F-E. S-E
	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	





# 15. Regulatory information

US federal regulations	This product is a "Hazardous Standard, 29 CFR 1910.120 All components are on the U	0.	ed by the OSHA Hazard Communic ntory List.	ation
TSCA Section 12(b) Expor	t Notification (40 CFR 707, Sub	opt. D)		
Not regulated. CERCLA Hazardous Subst	ance List (40 CFR 302.4)			
1,4-Benzoquinone (CAS N,N-Diethylaniline (CAS Styrene, monomer (CAS	91-66-7)	Listed. Listed. Listed.		
SARA 304 Emergency rele	ase notification			
Not regulated.				
OSHA Specifically Regulat Not listed.	ed Substances (29 CFR 1910.	1001-1050)		
Superfund Amendments and R	Reauthorization Act of 1986 (SA	ARA)		
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No			
SARA 302 Extremely haza	rdous substance			
Not listed.				
SARA 311/312 Hazardous chemical	No			
SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
Styrene, monomer 1,4-Benzoquinone		100-42-5 106-51-4	10 to <20 0.1 to <1	
Other federal regulations				
Clean Air Act (CAA) Section	on 112 Hazardous Air Pollutan	ts (HAPs) List		
		revention (40 CFR	68.130)	
Not regulated.				
Safe Drinking Water Act (SDWA)	Not regulated.			

#### **US state regulations**

- US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.
- US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
  - N,N-Diethylaniline (CAS 91-66-7) Styrene, monomer (CAS 100-42-5) Talc (CAS 14807-96-6) Titanium dioxide (CAS 13463-67-7)

#### US. Massachusetts RTK - Substance List

1,4-Benzoquinone (CAS 106-51-4) Magnesium carbonate (CAS 546-93-0) N,N-Diethylaniline (CAS 91-66-7) Silicon dioxide (CAS 7631-86-9) Styrene, monomer (CAS 100-42-5) Talc (CAS 14807-96-6) Titanium dioxide (CAS 13463-67-7)

#### US. New Jersey Worker and Community Right-to-Know Act

1,4-Benzoquinone (CAS 106-51-4) Magnesium carbonate (CAS 546-93-0) N,N-Diethylaniline (CAS 91-66-7) Silicon dioxide (CAS 7631-86-9) Sodium metaborate (CAS 7775-19-1) Styrene, monomer (CAS 100-42-5) Talc (CAS 14807-96-6) Titanium dioxide (CAS 13463-67-7)

### US. Pennsylvania Worker and Community Right-to-Know Law

1,4-Benzoquinone (CAS 106-51-4) N,N-Diethylaniline (CAS 91-66-7) Silicon dioxide (CAS 7631-86-9) Styrene, monomer (CAS 100-42-5) Talc (CAS 14807-96-6) Titanium dioxide (CAS 13463-67-7)

#### US. Rhode Island RTK

1,4-Benzoquinone (CAS 106-51-4) N,N-Diethylaniline (CAS 91-66-7) Styrene, monomer (CAS 100-42-5)

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Titanium dioxide (CAS 13463-67-7)

Listed: September 2, 2011

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
New Zealand	New Zealand Inventory	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

Issue date	03-17-2015
Version #	01
HMIS® ratings	Health: 2* Flammability: 3 Physical hazard: 0

Disclaimer

Health: 2 Flammability: 3 Instability: 0

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