

## SAFETY DATA SHEET

## 1. Identification

Product identifier	Advantage 801 Bodyfiller Gal		
Other means of identification			
Product Code	15311		
Recommended use	Not available.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufacturer			
Company name	ADVANTAGE REFINISH PRODUC		
Address	a division of IAMG/International Au	tobody Mark	ceting Group
	1505 N. Hayden Road Suite 111		
	Scottsdale, Arizona 85257		
	United States		
Telephone		87-REFINIS	H
Website	www.advantagerefinish.com		
E-mail	Not available.	000 404 000	
Emergency phone number	Chemtrec 1-6	800-424-930	0
2. Hazard(s) identification			
Physical hazards	Flammable liquids		Category 3
Health hazards	Acute toxicity, oral		Category 3
	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, repeatexposure	ated	Category 1
Environmental hazards	Hazardous to the aquatic environm hazard	ient, acute	Category 2
	Hazardous to the aquatic environm long-term hazard	ient,	Category 2
OSHA defined hazards	Not classified.		

Danger

Label elements

Signal word Hazard statement

Flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. 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. Call a poison center/doctor. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.
Storage	Store in a well-ventilated place. Keep container tightly closed. 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	% of the mixture consists of component(s) of unknown acute oral toxicity. 98.99% of the mixture consists of component(s) of unknown acute dermal toxicity. % of the mixture consists of component(s) of unknown acute inhalation toxicity. 44.7% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 44.7% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

<b>/</b> ixtures			
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
Calcium carbonate		1317-65-3	5 to <10
Silicon dioxide		7631-86-9	1 to <5
Sodium silicate		1344-09-8	1 to <5
N,N-Diethylaniline		91-66-7	0.1 to <1
Sodium metaborate		7775-19-1	0.1 to <1
Titanium dioxide		13463-67-7	0.1 to <1
Other components below reportab	le levels		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. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician.
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 immediately all contaminated clothing. 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.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become 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 and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.
6. Accidental release meas	sures
<b>-</b>	

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.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	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

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)

1317-65-3)   15 mg/m3   Total dust.     Magnesium carbonate (CAS 546-93-0)   PEL   5 mg/m3   Respirable fraction.     Titanium dioxide (CAS   PEL   15 mg/m3   Total dust.     13463-67-7)   IS org/m3   Total dust.   15 mg/m3   Total dust.     US. OSHA Table Z-2 (29 CFR 1910.1000)   Type   Value   Value     Styrene, monomer (CAS   Ceiling   200 ppm   100 -42-5)   TWA   100 ppm     US. OSHA Table Z-3 (29 CFR 1910.1000)   Type   Value   Form   Silicon dioxide (CAS   TWA   0.8 mg/m3   Total dust.     Silicon dioxide (CAS   TWA   0.8 mg/m3   Total dust.   0.1 mg/m3   Respirable.     Silicon dioxide (CAS 14807-96-6)   TWA   0.3 mg/m3   Total dust.   0.1 mg/m3   Respirable.     SU ACGIH Threshold Limit Values   US. ACGIH Threshold Limit Values   Limit Values   Limit Values   Limit Values	Components	Туре	Value	Form
Magnesium carbonate (CAS 546-93-0)PEL5 mg/m3Respirable fraction.Titanium dioxide (CAS 13463-67-7)PEL15 mg/m3Total dust.US. OSHA Table Z-2 (29 CFR 1910.1000)TypeValueComponentsTypeValueStyrene, monomer (CAS 100-42-5)Ceiling TWA200 ppmUS. OSHA Table Z-3 (29 CFR 1910.1000)TwA100 ppmUS. OSHA Table Z-3 (29 CFR 1910.1000)TypeValueSilicon dioxide (CAS 	Calcium carbonate (CAS 1317-65-3)	PEL	5 mg/m3	Respirable fraction.
(CAS 546-93-0)15 mg/m3Total dust.Titanium dioxide (CAS 13463-67-7)PEL15 mg/m3Total dust.US. OSHA Table Z-2 (29 CFR 1910.1000) ComponentsTypeValueStyrene, monomer (CAS 100-42-5)Ceiling TWA200 ppmUS. OSHA Table Z-3 (29 CFR 1910.1000) 			15 mg/m3	Total dust.
Titanium dioxide (CAS 13463-67-7)PEL15 mg/m3Total dust.US. OSHA Table Z-2 (29 CFR 1910.1000) ComponentsTypeValueStyrene, monomer (CAS 100-42-5)Ceiling TWA200 ppmUS. OSHA Table Z-3 (29 CFR 1910.1000) ComponentsTypeValueFormSilicon dioxide (CAS 7631-86-9)TWA0.8 mg/m3Total dust.Silicon dioxide (CAS 7631-86-9)TWA0.8 mg/m3Total dust.Talc (CAS 14807-96-6)TWA0.3 mg/m3 Respirable.Total dust.US. ACGIH Threshold Limit Values ComponentsTypeValueFormStyrene, monomer (CAS 100-42-5)STEL40 ppm	Magnesium carbonate (CAS 546-93-0)	PEL	5 mg/m3	Respirable fraction
13463-67-7)US. OSHA Table Z-2 (29 CFR 1910.1000) ComponentsValueStyrene, monomer (CAS 100-42-5)Ceiling TWA200 ppmUS. OSHA Table Z-3 (29 CFR 1910.1000) ComponentsTypeValueFormSilicon dioxide (CAS 			15 mg/m3	Total dust.
ComponentsTypeValueStyrene, monomer (CAS 100-42-5)Ceiling TWA200 ppmUS. OSHA Table Z-3 (29 CFR 1910.1000) ComponentsTypeValueFormSilicon dioxide (CAS 7631-86-9)TWA0.8 mg/m3Ceiling Total dust.Talc (CAS 14807-96-6)TWA0.3 mg/m3 Respirable.Total dust. 0.1 mg/m3 Respirable.US. ACGIH Threshold Limit Values ComponentsTypeValueFormStyrene, monomer (CAS 100-42-5)STEL40 ppm		PEL	15 mg/m3	Total dust.
Styrene, monomer (CAS Ceiling 200 ppm   100-42-5) TWA 100 ppm   US. OSHA Table Z-3 (29 CFR 1910.1000) Type Value Form   Components Type Value Form   Silicon dioxide (CAS TWA 0.8 mg/m3   7631-86-9) TWA 0.8 mg/m3   Talc (CAS 14807-96-6) TWA 0.3 mg/m3   Talc (CAS 14807-96-6) TWA 0.3 mg/m3   US. ACGIH Threshold Limit Values Type Value   Components Type Value   Styrene, monomer (CAS STEL 40 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000)			
100-42-5)TWA100 ppmUS. OSHA Table Z-3 (29 CFR 1910.1000) ComponentsTypeValueFormSilicon dioxide (CAS 7631-86-9)TWA0.8 mg/m3-Silicon dioxide (CAS 14807-96-6)TWA0.3 mg/m3Total dust. 0.1 mg/m3-Talc (CAS 14807-96-6)TWA0.3 mg/m3Total dust. 0.1 mg/m3Respirable. 20 mppcf 2.4 mppcfUS. ACGIH Threshold Limit Values ComponentsTypeValueFormStyrene, monomer (CAS 100-42-5)STEL40 ppm	Components	Туре	Value	
US. OSHA Table Z-3 (29 CFR 1910.1000) TomponentsTypeValueFormSilicon dioxide (CAS 7631-86-9)TWA0.8 mg/m3-Talc (CAS 14807-96-6)TWA0.3 mg/m3Total dust. 0.1 mg/m3Respirable. 20 mpcf 2.4 mppcfUS. ACGIH Threshold Limit Values ComponentsTypeValueFormStyrene, monomer (CAS 100-42-5)STEL40 ppm	Styrene, monomer (CAS 100-42-5)	Ceiling	200 ppm	
ComponentsTypeValueFormSilicon dioxide (CAS 7631-86-9)TWA0.8 mg/m3-Talc (CAS 14807-96-6)TWA0.3 mg/m3 0.1 mg/m3 20 mppcf 2.4 mppcfTotal dust. 		TWA	100 ppm	
Silicon dioxide (CAS TWA 0.8 mg/m3   7631-86-9) 20 mppcf   Talc (CAS 14807-96-6) TWA 0.3 mg/m3   Talc (CAS 14807-96-6) TWA 0.1 mg/m3   Respirable. 20 mppcf   2.4 mppcf Respirable.   US. ACGIH Threshold Limit Values Type   Components Type   Styrene, monomer (CAS) STEL   40 ppm	US. OSHA Table Z-3 (29 CFR 1910.1000)			
7631-86-9)   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   Type   Value   Form     Styrene, monomer (CAS)   STEL   40 ppm	Components	Туре	Value	Form
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   Type   Value   Form     Styrene, monomer (CAS)   STEL   40 ppm	i i	TWA	0.8 mg/m3	
0.1 mg/m3 Respirable.   20 mppcf 2.4 mppcf   2.4 mppcf Respirable.   US. ACGIH Threshold Limit Values Value   Components Type   Value Form   Styrene, monomer (CAS STEL   100-42-5) 40 ppm	,		20 mppcf	
US. ACGIH Threshold Limit Values 20 mppcf   Components Type   Value Form   Styrene, monomer (CAS STEL   100-42-5) 40 ppm	Talc (CAS 14807-96-6)	TWA	0.3 mg/m3	Total dust.
US. ACGIH Threshold Limit Values Components Type Value Form   Styrene, monomer (CAS 100-42-5) STEL 40 ppm			0.1 mg/m3	Respirable.
US. ACGIH Threshold Limit Values Components Type Value Form Styrene, monomer (CAS STEL 40 ppm 100-42-5)			20 mppcf	
ComponentsTypeValueFormStyrene, monomer (CAS 100-42-5)STEL40 ppm			2.4 mppcf	Respirable.
Styrene, monomer (CAS STEL 40 ppm   100-42-5) 40 ppm	US. ACGIH Threshold Limit Values			
100-42-5)	Components	Туре	Value	Form
TWA 20 ppm		STEL	40 ppm	
		TWA	20 ppm	

Components	Туре		١.	/alue	Form
Talc (CAS 14807-96-6) Titanium dioxide (CAS 13463-67-7)	TWA TWA			2 mg/m3 10 mg/m3	Respirable fraction.
US. NIOSH: Pocket Guide	n to Chomical Hazards				
Components	Type		Ņ	/alue	Form
Calcium carbonate (CAS 1317-65-3)	TWA		Į	5 mg/m3	Respirable.
Magnesium carbonate (CAS 546-93-0)	TWA			10 mg/m3 5 mg/m3	Total Respirable.
Silicon dioxide (CAS	TWA			10 mg/m3 6 mg/m3	Total
7631-86-9) Styrene, monomer (CAS 100-42-5)	STEL		2	125 mg/m3	
100-42-5)	TWA			100 ppm 215 mg/m3 50 ppm	
Talc (CAS 14807-96-6)	TWA			2 mg/m3	Respirable.
logical limit values				·	
ACGIH Biological Exposi	ure Indices				
Components	Value	Determinant	Specimen	Sampling	Time
Styrene, monomer (CAS 100-42-5)	400 mg/g	Mandelic acid plus phenylglyoxylic acid	Creatinine i urine	n *	
	0.2 mg/l	Styrene	Venous blood	*	
* - For sampling details, ple	ease see the source docu	iment.			
posure guidelines					
US - California OELs: Ski	U				
Styrene, monomer (C/ US - Minnesota Haz Subs	s: Skin designation appl	ies		ough the skin. 	
Styrene, monomer (CA	·		esignation app		ventilation (typically 10 ci
propriate engineering ntrols	changes per hour) s applicable, use proc maintain airborne le	hould be used. Ver ess enclosures, loo vels below recomm n airborne levels to	ntilation rates cal exhaust ve nended exposi o an acceptabl	should be match ntilation, or othe ure limits. If exp e level. Eye was	ventilation (typically 10 ai hed to conditions. If er engineering controls to osure limits have not been sh facilities and emergence
ividual protection measure Eye/face protection	es, such as personal pro Wear safety glasses				
Skin protection	Wear appropriate ch	nemical resistant ol	oves.		
Hand protection		emical resistant cl			
Hand protection Other	Wear appropriate ch		3.	antrationa hala	
-	If engineering contro	ble) or to an accep	otable level (in	countries where	w recommended exposure e exposure limits have no
Other	If engineering contro limits (where applica	ble) or to an accep in approved respira	otable level (in ator must be w	countries where orn.	

## 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	Not available.
Initial boiling point and boiling range	Not available.
Flash point	104.0 °F (40.0 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	9.70 lbs/gal estimated
Flammability class	Combustible II estimated
Percent volatile	18.4 % estimated
Specific gravity	1.17 estimated
VOC	18.13751357 % estimated
10. Stability and reactivity	
Reactivity	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. Fluorine.
Hazardous decomposition products	No hazardous decomposition products are known.

## 11. Toxicological information

## Information on likely routes of exposure

Inhalation	Toxic if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Harmful if swallowed.

Information		
Information of	on toxicologic	ai effects

Acute toxicity	Harmful if swallowed.

Acute toxicity	Harmful if swallowed.		
Components	Species	Test Results	
N,N-Diethylaniline (CAS 91-66-7)			
Acute			
Oral			
LD50	Rat 782 mg/kg		
Silicon dioxide (CAS 7631-86-9)			
Acute			
Oral	N		
LD50	Mouse	> 15000 mg/kg	
	Rat	> 22500 mg/kg	
Sodium metaborate (CAS 7775-19	9-1)		
<u>Acute</u>			
<b>Oral</b> LD50	Rat	2330 mg/kg	
	Ital	2000 mg/kg	
Sodium silicate (CAS 1344-09-8) Acute			
Oral			
LD50	Mouse	1100 mg/kg	
	Rat	1.1 g/kg	
Styrene, monomer (CAS 100-42-5		0.0	
Acute	,		
Inhalation			
LC50	Mouse	4940 ppm, 2 Hours	
	Rat	2770 ppm, 4 Hours	
		24 mg/l, 4 Hours	
Oral			
LD50	Mouse	316 mg/kg	
	Rat	1 g/kg	
* Estimates for product may b	a based on additional company	at data not abour	
Skin corrosion/irritation	e based on additional compone Causes skin irritation.		
Serious eye damage/eye	Causes serious eye irritation.		
irritation			
Respiratory or skin sensitization	n		
Respiratory sensitization	Not a respiratory sensitizer.		
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 Evaluation of Carcinogenicity			
Silicon dioxide (CAS 763		3 Not classifiable as to carcinogenicity to humans.	
	Styrene, monomer (CAS 100-42-5)2B Possibly carcinogenic to humans.Titanium dioxide (CAS 13463-67-7)2B Possibly carcinogenic to humans.		
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)			
Not listed.			
	ogram (NTP) Report on Carcin	-	
Styrene, monomer (CAS		Reasonably Anticipated to be a Human Carcinogen.	
Reproductive toxicity	May damage fertility or the un		

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

Ecotoxicity	Toxic to aquatic life with long lasting effects.			
Components		Species	Test Results	
N,N-Diethylaniline (CAS §	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 134	4-09-8)			
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 (CAS	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 13	3463-67-7)			
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 m	ay be based on	additional component data not shown.		
Persistence and degradabili	i <b>ty</b> No data is	s available on the degradability of this product.		
Bioaccumulative potential				
<b>Partition coefficient n-o</b> N,N-Diethylaniline Styrene, monomer	ctanol / water (	log Kow) 3.31 2.95		
Mobility in soil	No data a	No data available.		
Other adverse effects		adverse environmental effects (e.g. ozone depl	etion, photochemical ozone creation	

# 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	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 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
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed.
aircraft	
Cargo aircraft only	Allowed.
IMDG	
UN number	UN1866
UN proper shipping name	Resin Solution
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-E, <u>S</u> - <u>E</u>
	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	
DOT	





## 15. Regulatory information

io. Regulatory mormation			
US federal regulations	This product is a "Hazardou Standard, 29 CFR 1910.12 One or more components a	00.	ed by the OSHA Hazard Communication
TSCA Section 12(b) Export	Notification (40 CFR 707, Su	ubpt. D)	
Not regulated.	, , , , , , , , , , , , , , , , , , ,	• •	
CERCLA Hazardous Substa	nce List (40 CFR 302.4)		
N,N-Diethylaniline (CAS	91-66-7)	Listed.	
Styrene, monomer (CAS	,	Listed.	
SARA 304 Emergency relea	se notification		
Not regulated.			
OSHA Specifically Regulate	d Substances (29 CFR 1910	0.1001-1050)	
Not listed.			
Superfund Amendments and Re		SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No		
SARA 302 Extremely hazard	dous substance		
Not listed.			
SARA 311/312 Hazardous chemical	No		
SARA 313 (TRI reporting)			
Chemical name		CAS number	% by wt.
Styrene, monomer		100-42-5	10 to <20
Other federal regulations			
Clean Air Act (CAA) Sectior	112 Hazardous Air Polluta	nts (HAPs) List	
Styrene, monomer (CAS Clean Air Act (CAA) Sectior	,	Prevention (40 CFR	68.130)
Not regulated.			
Safe Drinking Water Act (SDWA)	Not regulated.		
US state regulations			
US. California Controlled Su	ubstances. CA Department of	of Justice (California	a Health and Safety Code Section 11100)
Not listed.			
US. California. Candidate C (a))	hemicals List. Safer Consur	ner Products Regula	ations (Cal. Code Regs, tit. 22, 69502.3, subd.
N,N-Diethylaniline (CAS Styrene, monomer (CAS Talc (CAS 14807-96-6)			
Titanium dioxide (CAS 13 US. Massachusetts RTK - S			

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

Calcium carbonate (CAS 1317-65-3) 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

Calcium carbonate (CAS 1317-65-3) 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

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
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### **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
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	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	05-20-2015
Version #	01
HMIS® ratings	Health: 2 Flammability: 3 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 3 Instability: 0

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