

1. Identification

Product identifier	Tropic Sunrise	
Other means of identification		
Product Code	PSE-1012-20	
Recommended use	Automotive Refinish Toner	
Manufacturer/Importer/Supplier/Distributor information		
Company name	Prospray Automotive Finishes	
Address	600 Nova Drive SE Massillon, OH 44646 United States	
Telephone	INFORMATION	330-299-8879
Website	www.prosprayfinishes.com	
E-mail	RON.ANDRUS@valspar.com	
Contact person	Ron Andrus	
Emergency phone number	CHEMTREC	800-424-9300

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Reproductive toxicity	Category 1
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	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 3
OSHA defined hazards	Not classified.	
Label elements		



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Toxic if inhaled. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Harmful 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 on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. 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 eye irritation persists: Get medical advice/attention. Call a poison center/doctor. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

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

79.83% of the mixture consists of component(s) of unknown acute dermal toxicity. 51.98% of the mixture consists of component(s) of unknown acute inhalation toxicity. 50.29% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 50.29% 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	%
n-butyl acetate		123-86-4	20 to <30
1-Methoxy-2-propyl acetate		108-65-6	5 to <10
light aromatic solvent naphtha		64742-95-6	5 to <10
Xylene		1330-20-7	5 to <10
Ethyl benzene		100-41-4	1 to <5
n-butyl alcohol		71-36-3	1 to <5
Silicon dioxide		7631-86-9	1 to <5
Titanium dioxide		13463-67-7	1 to <5
1,2,3-trimethylbenzene		526-73-8	0.1 to <1
1,2,4-Trimethylbenzene		95-63-6	0.1 to <1
1,2-Dimethylbenzene		95-47-6	0.1 to <1
1,4-diethylbenzene		105-05-5	0.1 to <1
1-Methoxy-2-propanol		107-98-2	0.1 to <1
2,6-Dimethyl-4-heptanone		108-83-8	0.1 to <1
2-methoxy-1-propanol acetate		70657-70-4	0.1 to <1
Mesitylene		108-67-8	0.1 to <1
m-Xylene		108-38-3	0.1 to <1
naphthalene		91-20-3	0.1 to <1
Octamethylcyclotetrasiloxane		556-67-2	0.1 to <1
p-Xylene		106-42-3	0.1 to <1
tin(IV) oxide		18282-10-5	0.1 to <1
Toluene		108-88-3	0.1 to <1
zirconium (IV) oxide		1314-23-4	0.1 to <1
Other components below reportable levels			20 to <30

*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. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. 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. Alcohol resistant 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

Highly 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). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.

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. 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. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. 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. 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	Type	Value	Form
1,2-Dimethylbenzene (CAS 95-47-6)	PEL	435 mg/m3	
		100 ppm	
2,6-Dimethyl-4-heptanone (CAS 108-83-8)	PEL	290 mg/m3	
		50 ppm	
Ethyl benzene (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
m-Xylene (CAS 108-38-3)	PEL	435 mg/m3	
		100 ppm	
naphthalene (CAS 91-20-3)	PEL	50 mg/m3	

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

Components	Type	Value	Form
n-butyl acetate (CAS 123-86-4)	PEL	10 ppm 710 mg/m3	
n-butyl alcohol (CAS 71-36-3)	PEL	150 ppm 300 mg/m3	
p-Xylene (CAS 106-42-3)	PEL	100 ppm 435 mg/m3	
Titanium dioxide (CAS 13463-67-7)	PEL	100 ppm 15 mg/m3	Total dust.
Xylene (CAS 1330-20-7)	PEL	435 mg/m3	
zirconium (IV) oxide (CAS 1314-23-4)	PEL	100 ppm 5 mg/m3	

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Toluene (CAS 108-88-3)	Ceiling	300 ppm
	TWA	200 ppm

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silicon dioxide (CAS 7631-86-9)	TWA	0.8 mg/m3
		20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value
1,2,3-trimethylbenzene (CAS 526-73-8)	TWA	25 ppm
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	25 ppm
1,2-Dimethylbenzene (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	100 ppm
	TWA	50 ppm
2,6-Dimethyl-4-heptanone (CAS 108-83-8)	TWA	25 ppm
Ethyl benzene (CAS 100-41-4)	TWA	20 ppm
Mesitylene (CAS 108-67-8)	TWA	25 ppm
m-Xylene (CAS 108-38-3)	STEL	150 ppm
	TWA	100 ppm
naphthalene (CAS 91-20-3)	TWA	10 ppm
n-butyl acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm
n-butyl alcohol (CAS 71-36-3)	TWA	20 ppm
p-Xylene (CAS 106-42-3)	STEL	150 ppm
	TWA	100 ppm
tin(IV) oxide (CAS 18282-10-5)	TWA	2 mg/m3
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3
Toluene (CAS 108-88-3)	TWA	20 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm
zirconium (IV) oxide (CAS 1314-23-4)	STEL	10 mg/m3
	TWA	5 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
1,2,3-trimethylbenzene (CAS 526-73-8)	TWA	125 mg/m3
		25 ppm
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	125 mg/m3
		25 ppm
1,2-Dimethylbenzene (CAS 95-47-6)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3
		100 ppm
1-Methoxy-2-propanol (CAS 107-98-2)	STEL	540 mg/m3
		150 ppm
	TWA	360 mg/m3
		100 ppm
2,6-Dimethyl-4-heptanone (CAS 108-83-8)	TWA	150 mg/m3
		25 ppm
Ethyl benzene (CAS 100-41-4)	STEL	545 mg/m3
		125 ppm
	TWA	435 mg/m3
		100 ppm
Mesitylene (CAS 108-67-8)	TWA	125 mg/m3
		25 ppm
m-Xylene (CAS 108-38-3)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3
		100 ppm
naphthalene (CAS 91-20-3)	STEL	75 mg/m3
		15 ppm
	TWA	50 mg/m3
		10 ppm
n-butyl acetate (CAS 123-86-4)	STEL	950 mg/m3
		200 ppm
	TWA	710 mg/m3
		150 ppm
n-butyl alcohol (CAS 71-36-3)	Ceiling	150 mg/m3
		50 ppm
p-Xylene (CAS 106-42-3)	STEL	655 mg/m3
		150 ppm
	TWA	435 mg/m3
		100 ppm
Silicon dioxide (CAS 7631-86-9)	TWA	6 mg/m3
tin(IV) oxide (CAS 18282-10-5)	TWA	2 mg/m3
Toluene (CAS 108-88-3)	STEL	560 mg/m3
		150 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
zirconium (IV) oxide (CAS 1314-23-4)	TWA	375 mg/m3
		100 ppm
	STEL	10 mg/m3
	TWA	5 mg/m3

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
1,4-diethylbenzene (CAS 105-05-5)	TWA	5 ppm
1-Methoxy-2-propyl acetate (CAS 108-65-6)	TWA	50 ppm
Octamethylcyclotetrasiloxane (CAS 556-67-2)	TWA	10 ppm

Biological limit values
ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
1,2-Dimethylbenzene (CAS 95-47-6)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
Ethyl benzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
m-Xylene (CAS 108-38-3)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
p-Xylene (CAS 106-42-3)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines
US - California OELs: Skin designation

1-Methoxy-2-propanol (CAS 107-98-2)	Can be absorbed through the skin.
1-Methoxy-2-propyl acetate (CAS 108-65-6)	Can be absorbed through the skin.
naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
n-butyl alcohol (CAS 71-36-3)	Can be absorbed through the skin.
Toluene (CAS 108-88-3)	Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

n-butyl alcohol (CAS 71-36-3)	Skin designation applies.
Toluene (CAS 108-88-3)	Skin designation applies.

US - Tennessee OELs: Skin designation

n-butyl alcohol (CAS 71-36-3)	Can be absorbed through the skin.
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US ACGIH Threshold Limit Values: Skin designation

naphthalene (CAS 91-20-3)	Can be absorbed through the skin.
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US NIOSH Pocket Guide to Chemical Hazards: Skin designation

n-butyl alcohol (CAS 71-36-3)	Can be absorbed through the skin.
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Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
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Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Observe any medical surveillance requirements. When using do not smoke. 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.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Color	Translucent.
Odor	Solvent.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	-108.4 °F (-78 °C) estimated
Initial boiling point and boiling range	258.98 °F (126.1 °C) estimated
Flash point	71.6 °F (22.0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	1.4 % estimated
Flammability limit - upper (%)	7.5 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	12.67 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	797 °F (425 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Density	8.36 lbs/gal
Explosive properties	Not explosive.
Flammability class	Flammable IB estimated
Oxidizing properties	Not oxidizing.
Percent volatile	65.15 %
Specific gravity	1
VOC	5.4 lbs/gal Material 5.4 lbs/gal Regulatory

10. Stability and reactivity

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. Strong oxidizing agents. Nitrates. Halogens.
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. May cause drowsiness and dizziness. Headache. Nausea, vomiting.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity	Toxic if inhaled. Harmful in contact with skin. Narcotic effects.
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Components	Species	Test Results
1,2,3-trimethylbenzene (CAS 526-73-8)		
<u>Acute</u>		
Oral		
LD50	Rat	8970 mg/kg
1,2,4-Trimethylbenzene (CAS 95-63-6)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 3160 mg/kg
Inhalation		
LC50	Rat	> 2000 ppm, 48 Hours
Oral		
LD50	Rat	6 g/kg
1,2-Dimethylbenzene (CAS 95-47-6)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 43 g/kg
Inhalation		
LC50	Mouse	4600 ppm, 6 Hours
	Rat	6350 ppm, 4 Hours
Oral		
LD50	Mouse	1590 mg/kg
	Rat	4300 mg/kg
1-Methoxy-2-propanol (CAS 107-98-2)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	13 g/kg

Components	Species	Test Results
Inhalation		
LC50	Guinea pig	15000 mg/l, 10 Hours
	Rat	54.6 mg/l, 4 Hours
Oral		
LD50	Mouse	10.8 g/kg
	Rabbit	5.3 g/kg
	Rat	5.71 g/kg
2,6-Dimethyl-4-heptanone (CAS 108-83-8)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	16200 mg/kg
	Rat	> 2000 mg/kg
Inhalation		
LC50	Rat	> 5 mg/l, 4 Hours
Oral		
LD50	Mouse	1416 mg/kg
	Rat	5285 mg/kg
Ethyl benzene (CAS 100-41-4)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	17800 mg/kg
Oral		
LD50	Rat	3500 mg/kg
Mesitylene (CAS 108-67-8)		
<u>Acute</u>		
Oral		
LD50	Rat	8970 mg/kg
m-Xylene (CAS 108-38-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	12100 mg/kg
Inhalation		
LC50	Mouse	5300 ppm, 6 Hours
Oral		
LD50	Mouse	1590 mg/kg
	Rat	4300 mg/kg
naphthalene (CAS 91-20-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 2 g/kg
	Rat	> 20 g/kg
Oral		
LD50	Guinea pig	1200 mg/kg
	Rat	490 mg/kg
n-butyl acetate (CAS 123-86-4)		
<u>Acute</u>		
Inhalation		
LC50	Wistar rat	160 mg/l, 4 Hours

Components	Species	Test Results
Oral		
LD50	Rat	14000 mg/kg
n-butyl alcohol (CAS 71-36-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	3400 mg/kg
Inhalation		
LC50	Rat	8000 ppm, 4 Hours
Oral		
LD50	Rat	790 mg/kg
p-Xylene (CAS 106-42-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 43 g/kg
Inhalation		
LC50	Mouse	3900 ppm, 6 Hours
Oral		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg
Silicon dioxide (CAS 7631-86-9)		
<u>Acute</u>		
Oral		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg
Toluene (CAS 108-88-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	12124 mg/kg 14.1 ml/kg
Inhalation		
LC50	Mouse	5320 ppm, 8 Hours 400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours 12200 ppm, 2 Hours 8000 ppm, 4 Hours
Oral		
LD50	Rat	2.6 g/kg
Xylene (CAS 1330-20-7)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 43 g/kg
Inhalation		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
Oral		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg

* Estimates for product may be 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	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

1,2-Dimethylbenzene (CAS 95-47-6)	3 Not classifiable as to carcinogenicity to humans.
Ethyl benzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
m-Xylene (CAS 108-38-3)	3 Not classifiable as to carcinogenicity to humans.
naphthalene (CAS 91-20-3)	2B Possibly carcinogenic to humans.
p-Xylene (CAS 106-42-3)	3 Not classifiable as to carcinogenicity to humans.
Silicon dioxide (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

naphthalene (CAS 91-20-3)	Reasonably Anticipated to be a Human Carcinogen.
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Reproductive toxicity	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. May damage fertility or the unborn child.
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
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. Harmful to aquatic life with long lasting effects.
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Components		Species	Test Results
1,2,4-Trimethylbenzene (CAS 95-63-6)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	7.19 - 8.28 mg/l, 96 hours
1,2-Dimethylbenzene (CAS 95-47-6)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.78 - 2.51 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	5.59 - 11.6 mg/l, 96 hours
Ethyl benzene (CAS 100-41-4)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours
Mesitylene (CAS 108-67-8)			
Aquatic			
Fish	LC50	Goldfish (Carassius auratus)	9.89 - 15.05 mg/l, 96 hours
m-Xylene (CAS 108-38-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	2.81 - 5 mg/l, 48 hours

Components		Species	Test Results
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	8.4 mg/l, 96 hours
naphthalene (CAS 91-20-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.09 - 3.4 mg/l, 48 hours
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	1.11 - 1.68 mg/l, 96 hours
n-butyl acetate (CAS 123-86-4)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	17 - 19 mg/l, 96 hours
n-butyl alcohol (CAS 71-36-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1897 - 2072 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	100 - 500 mg/l, 96 hours
p-Xylene (CAS 106-42-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	3.55 - 6.31 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.6 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
Toluene (CAS 108-88-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours
Xylene (CAS 1330-20-7)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	7.711 - 9.591 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-octanol / water (log Kow)

1,2-Dimethylbenzene	3.12
1,4-diethylbenzene	4.45
Ethyl benzene	3.15
m-Xylene	3.2
naphthalene	3.3
n-butyl acetate	1.78
n-butyl alcohol	0.88
p-Xylene	3.15
Toluene	2.73
Xylene	3.12 - 3.2

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation 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	UN1263
UN proper shipping name	Paint Related Material
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T7, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN1263
UN proper shipping name	Paint Related Material
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	3H
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

UN number	UN1263
UN proper shipping name	Paint Related Material
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-E, <u>S</u> -E
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

DOT



IATA; IMDG



15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

1,2-Dimethylbenzene (CAS 95-47-6)	Listed.
1-Methoxy-2-propanol (CAS 107-98-2)	Listed.
Ethyl benzene (CAS 100-41-4)	Listed.
m-Xylene (CAS 108-38-3)	Listed.
naphthalene (CAS 91-20-3)	Listed.
n-butyl acetate (CAS 123-86-4)	Listed.
n-butyl alcohol (CAS 71-36-3)	Listed.
p-Xylene (CAS 106-42-3)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (CAS 1330-20-7)	Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Xylene	1330-20-7	5 to <10
Ethyl benzene	100-41-4	1 to <5
n-butyl alcohol	71-36-3	1 to <5
1,2,4-Trimethylbenzene	95-63-6	0.1 to <1
1,2-Dimethylbenzene	95-47-6	0.1 to <1
m-Xylene	108-38-3	0.1 to <1
naphthalene	91-20-3	0.1 to <1

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
p-Xylene	106-42-3	0.1 to <1
Toluene	108-88-3	0.1 to <1

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

1,2-Dimethylbenzene (CAS 95-47-6)
 Ethyl benzene (CAS 100-41-4)
 m-Xylene (CAS 108-38-3)
 naphthalene (CAS 91-20-3)
 p-Xylene (CAS 106-42-3)
 Toluene (CAS 108-88-3)
 Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Toluene (CAS 108-88-3) 594

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

2,6-Dimethyl-4-heptanone (CAS 108-83-8) Other Flavoring Substances with OSHA PEL's
 n-butyl acetate (CAS 123-86-4) Low priority
 n-butyl alcohol (CAS 71-36-3) Low priority

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))

1,2,3-trimethylbenzene (CAS 526-73-8)
 1,2,4-Trimethylbenzene (CAS 95-63-6)
 1,2-Dimethylbenzene (CAS 95-47-6)
 1-Methoxy-2-propanol (CAS 107-98-2)
 2-methoxy-1-propanol acetate (CAS 70657-70-4)
 Ethyl benzene (CAS 100-41-4)
 light aromatic solvent naphtha (CAS 64742-95-6)
 Mesitylene (CAS 108-67-8)
 m-Xylene (CAS 108-38-3)
 naphthalene (CAS 91-20-3)
 Octamethylcyclotetrasiloxane (CAS 556-67-2)
 p-Xylene (CAS 106-42-3)
 Titanium dioxide (CAS 13463-67-7)
 Toluene (CAS 108-88-3)
 Xylene (CAS 1330-20-7)

US. Massachusetts RTK - Substance List

1,2,3-trimethylbenzene (CAS 526-73-8)
 1,2,4-Trimethylbenzene (CAS 95-63-6)
 1,2-Dimethylbenzene (CAS 95-47-6)
 1,4-diethylbenzene (CAS 105-05-5)
 1-Methoxy-2-propanol (CAS 107-98-2)
 2,6-Dimethyl-4-heptanone (CAS 108-83-8)
 Ethyl benzene (CAS 100-41-4)
 Mesitylene (CAS 108-67-8)
 m-Xylene (CAS 108-38-3)
 naphthalene (CAS 91-20-3)
 n-butyl acetate (CAS 123-86-4)
 n-butyl alcohol (CAS 71-36-3)

p-Xylene (CAS 106-42-3)
Silicon dioxide (CAS 7631-86-9)
tin(IV) oxide (CAS 18282-10-5)
Titanium dioxide (CAS 13463-67-7)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)
zirconium (IV) oxide (CAS 1314-23-4)

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

1,2,3-trimethylbenzene (CAS 526-73-8)
1,2,4-Trimethylbenzene (CAS 95-63-6)
1,2-Dimethylbenzene (CAS 95-47-6)
1,4-diethylbenzene (CAS 105-05-5)
1-Methoxy-2-propanol (CAS 107-98-2)
2,6-Dimethyl-4-heptanone (CAS 108-83-8)
Ethyl benzene (CAS 100-41-4)
Mesitylene (CAS 108-67-8)
m-Xylene (CAS 108-38-3)
naphthalene (CAS 91-20-3)
n-butyl acetate (CAS 123-86-4)
n-butyl alcohol (CAS 71-36-3)
p-Xylene (CAS 106-42-3)
Silicon dioxide (CAS 7631-86-9)
tin(IV) oxide (CAS 18282-10-5)
Titanium dioxide (CAS 13463-67-7)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

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

1,2,3-trimethylbenzene (CAS 526-73-8)
1,2,4-Trimethylbenzene (CAS 95-63-6)
1,2-Dimethylbenzene (CAS 95-47-6)
1,4-diethylbenzene (CAS 105-05-5)
1-Methoxy-2-propanol (CAS 107-98-2)
2,6-Dimethyl-4-heptanone (CAS 108-83-8)
Ethyl benzene (CAS 100-41-4)
Mesitylene (CAS 108-67-8)
m-Xylene (CAS 108-38-3)
naphthalene (CAS 91-20-3)
n-butyl acetate (CAS 123-86-4)
n-butyl alcohol (CAS 71-36-3)
p-Xylene (CAS 106-42-3)
Silicon dioxide (CAS 7631-86-9)
Titanium dioxide (CAS 13463-67-7)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

US. Rhode Island RTK

1,2,4-Trimethylbenzene (CAS 95-63-6)
1,2-Dimethylbenzene (CAS 95-47-6)
Ethyl benzene (CAS 100-41-4)
m-Xylene (CAS 108-38-3)
naphthalene (CAS 91-20-3)
n-butyl acetate (CAS 123-86-4)
n-butyl alcohol (CAS 71-36-3)
p-Xylene (CAS 106-42-3)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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

Ethyl benzene (CAS 100-41-4)	Listed: June 11, 2004
naphthalene (CAS 91-20-3)	Listed: April 19, 2002
Titanium dioxide (CAS 13463-67-7)	Listed: September 2, 2011

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Toluene (CAS 108-88-3)

Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Toluene (CAS 108-88-3)

Listed: August 7, 2009

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*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 02-22-2016

Version # 01

HMIS® ratings Health: 3*
Flammability: 3
Physical hazard: 0

NFPA ratings Health: 3
Flammability: 3
Instability: 0

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Revision information Product and Company Identification: Product and Company Identification
Composition/information on ingredients: Composition comments
Composition/information on ingredients: Component information
Exposure controls/personal protection: General hygiene considerations
Exposure controls/personal protection: PPE Symbols
Physical and chemical properties: Color
Physical and chemical properties: Oxidizing properties
Physical and chemical properties: Explosive properties
Ecological information: Persistence / degradability
Regulatory information: US federal regulations
Other information, including date of preparation or last revision: Further information