

Safety Data Sheet

according to HPR, Schedule 1

Printing date 03/14/2017

Revised On 03/14/2017

1 Identification

Trade name: PRECAUTION BLUE (SOLVENT)
Product code: 0000200953
Distributed by: Fast line Striping Systems Ltd.
 34 Mount Hope Avenue
 Dartmouth NSB2Y 4K9
 Canada
 Phone: 1-800-565-1564
 Fax: 1-902-466-8481
 admin@fastline.net

General Information: Health & Safety Department
Emergency telephone number: CHEMTEL 1-800-255-3924, or 813-248-0585.



2 Hazard identification

Classification of the substance or mixture

Flammable Aerosols - Category 1 H222 Extremely flammable aerosol.
 Gases Under Pressure - Liquefied Gas H280 Contains gas under pressure; may explode if heated.
 Skin Irritation - Category 2 H315 Causes skin irritation.
 Specific Target Organ Toxicity - Single Exposure - Category 3 H335 May cause respiratory irritation.

GHS Hazard pictograms



GHS02 GHS04 GHS07

Signal word

Danger

Hazard-determining components of labeling:

Calcium Carbonate
titanium dioxide

Hazard statements

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes skin irritation.

Precautionary statements

May cause respiratory irritation.
 If medical advice is needed, have product container or label at hand.
 Keep out of reach of children.
 Read label before use.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Do not spray on an open flame or other ignition source.
 Do not pierce or burn, even after use.
 Wash thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTER/doctor if you feel unwell.
 If skin irritation occurs: Get medical advice/attention.
 IF ON SKIN: Wash with plenty of water.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 Protect from sunlight. Store in a well-ventilated place.
 Store in a well-ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Effects of chronic overexposure:

May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

3 Composition/Information on ingredients

Chemical characterization: Mixtures

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

1317-65-3	Calcium Carbonate Specific Target Organ Toxicity - Single Exposure - Category 3, H335	20.97% w/w
74-98-6	propane Flammable Gases - Category 1, H220	17.65% w/w
64742-89-8	VM&P Naphtha Flammable Liquids - Category 2, H225	16.75% w/w
106-97-8	n-butane Flammable Gases - Category 1, H220	10.37% w/w
142-82-5	heptane Flammable Liquids - Category 2, H225; Skin Irritation - Category 2, H315; Specific Target Organ Toxicity - Single Exposure - Category 3, H336	8.17% w/w
64742-47-8	Mineral Spirits Flammable Liquids - Category 3, H226; Aspiration Hazard - Category 1, H304	5.87% w/w

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1330-20-7	xylene (mix) Flammable Liquids - Category 3, H226; Acute Toxicity (Dermal) - Category 4, H312; Acute Toxicity (Inhalation) - Category 4, H332; Skin Irritation - Category 2, H315	1.91% w/w
13463-67-7	titanium dioxide Specific Target Organ Toxicity - Single Exposure - Category 3, H335	1.41% w/w

4 First aid measures

After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Remove contaminated clothing. Wash exposed area with soap and water.
After eye contact:	Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing:	Rinse mouth with water. Do not induce vomiting.
Information for doctor:	
Most important symptoms and effects:	Dizziness
Indication of any immediate medical attention needed:	No further relevant information available.

5 Firefighting measures

Extinguishing agents:	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray.
Special hazards:	Can form explosive gas-air mixtures.
Protective equipment for firefighters:	A respiratory protective device may be necessary.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use respiratory protective device against the effects of fumes/dust/aerosol.
Environmental precautions:	Do not allow product to reach sewage systems or ground water.
Methods and material for containment and cleaning up:	Absorb liquid components with liquid-binding material.

7 Handling and storage

Precautions for safe handling	Use only in well ventilated areas.
Fire/explosion protection:	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Do not smoke. Protect from electrostatic discharges.
Conditions for safe storage:	
Storage requirements:	Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

8 Exposure controls/ Personal protection

Components with limit values that require monitoring at the workplace:

74-98-6 propane

EL	Long-term value: 1000 ppm
EV	Long-term value: 1.000 ppm

106-97-8 n-butane

EL	Short-term value: 750 ppm Long-term value: 600 ppm
EV	Long-term value: 800 ppm

142-82-5 heptane

EL	Short-term value: 500 ppm Long-term value: 400 ppm
EV	Short-term value: 2.045 mg/m ³ , 500 ppm Long-term value: 1.635 mg/m ³ , 400 ppm

64742-47-8 Mineral Spirits

EL	Long-term value: 200 mg/m ³ Skin
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1330-20-7 xylene (mix)

EL	Short-term value: 150 ppm Long-term value: 100 ppm
EV	Short-term value: 650 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm

Exposure controls

Hygienic protection:	Immediately remove all soiled and contaminated clothing. Wash hands after use. Avoid contact with the skin. Avoid contact with the eyes and skin. Do not eat or drink while working.
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Breathing equipment:	A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical
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Hand protection: hygiene.
Protective gloves
Nitrile gloves.

Eye protection: Protective gloves. The glove material must be impermeable and resistant to the substance.
Tightly sealed goggles

9 Physical and chemical properties

Appearance: Aerosol.
Odor: Aromatic
Odor threshold: Not determined.
pH-value: Not determined.
Melting point/Melting range Undetermined.
Boiling point: -44 °C
Flash point: -19 °C
Flammability (solid, gas): Extremely flammable.
Decomposition temperature: Not determined.
Auto igniting: Product is not self-igniting.
Danger of explosion: In use, may form flammable/explosive vapour-air mixture.
Lower Explosion Limit: 1.5 Vol %
Upper Explosion Limit: 10.9 Vol %
Vapor pressure: Not determined.
Relative Density: Between 0.77 and 0.85 (Water equals 1.00)
Vapor density Not determined.
Evaporation rate Not applicable.
Partition coefficient: n-octonal/water: Not determined.
Solubility: Not determined.
Viscosity: Not determined.
VOC content (less exempt solvents): 62.1 %
Solids content: 37.6 %

10 Stability and reactivity

Conditions to avoid: Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition: No dangerous decomposition products known.

11 Toxicological information

LD/LC50 values that are relevant for classification:

106-97-8 n-butane

Inhalative	LC50/4 h	658 mg/l (rat)
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1330-20-7 xylene (mix)

Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)
Inhalative	LC50/4 h	6350 mg/l (rat)

13463-67-7 titanium dioxide

Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rbt)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

Skin effects: Irritant to skin and mucous membranes.

Eye effects: No irritating effect.

Sensitization: No sensitizing effects known.

IARC (International Agency for Research on Cancer)

1330-20-7	xylene (mix)	3
13463-67-7	titanium dioxide	2B

NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

Aquatic toxicity: Hazardous for water, do not empty into drains.

Persistence and degradability: The product is degradable after prolonged exposure to natural weathering processes.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

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Other adverse effects: No further relevant information available.

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13 Disposal considerations

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Recommendation: Completely empty cans should be recycled.

14 Transport information

UN-Number	UN1950
DOT	N/A
Transport hazard class(es):	
DOT, TDG Class	2.1
Marine pollutant:	Symbol (fish and tree)
Special precautions for user:	Warning: Gases
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Packaging Group:	--

15 Regulatory information

Toxic Substances Control Act (TSCA): All ingredients for this product are found on the inventory list of substances.

California Proposition 65 chemicals known to cause birth defects or reproductive harm:

None of the ingredients in this product are listed.

CANADIAN ENVIRONMENTAL PROTECTION ACT: WHMIS Symbols for Canada:

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.
A - Compressed gas
D2B - Toxic material causing other toxic effects



Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Contact: Regulatory Affairs