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## **1** Identification of substance

- · Product details
- · Trade name: 39263 Bumper Dark Titanium Metallic
- Article number: 39263

· Manufacturer/Supplier: SEM Products, Inc. 651 Michael Wylie Dr. Charlotte, NC 28217 USA (704)522-1006

· Information department: 24HR EMERGENCY CHEMTREC 800-424-9300

#### 2 Composition/Data on components

· Chemical characterization

• Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:			
67-64-1	acetone	25-50%	
68476-86-8	Petroleum gases, liquefied, sweetened	10-25%	
108-88-3	toluene	10-25%	
108-10-1	4-methylpentan-2-one	2.5-10%	
110-19-0	isobutyl acetate	2.5-10%	
	ACRYLIC RESIN	2.5-10%	
78-93-3	butanone	<i>≤</i> 2.5%	
8052-41-3	Stoddard solvent	≤ 2.5%	

## **3 Hazards identification**

#### · Hazard description:



Harmful *Highly flammable* 

#### · Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of international guidelines. Warning! Pressurized container. Highly flammable. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Danger of serious damage to health by prolonged exposure. Possible risk of harm to the unborn child. · Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· NFPA ratings (scale 0 - 4)



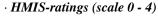
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## 4 First aid measures

#### · General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

• After skin contact: Immediately wash with water and soap and rinse thoroughly.

• After eye contact:

*Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.* • *After swallowing:* If symptoms persist consult doctor.

## **5** Fire fighting measures

- Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- · Protective equipment: Mouth respiratory protective device.

### 6 Accidental release measures

- · Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

• *Measures for cleaning/collecting:* Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

# 7 Handling and storage

· Handling:

· Information for safe handling:

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

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.

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Do not spray on a naked flame or any incandescent material.

- · Storage:
- *Requirements to be met by storerooms and receptacles:* Store in a cool location. Observe official regulations on storing packagings with pressurized containers.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

## 8 Exposure controls and personal protection

• Additional information about design of technical systems: No further data; see item 7.

	ponents with limit values that require monitoring at the workplace:	
67-64	4-1 acetone	
	2400 mg/m <sup>3</sup> , 1000 ppm	
	590 mg/m <sup>3</sup> , 250 ppm	
TLV	Short-term value: 1782 mg/m <sup>3</sup> , 750 ppm	
	Long-term value: 1188 mg/m <sup>3</sup> , 500 ppm	
	BEI	
6847	6-86-8 Petroleum gases, liquefied, sweetened	
TLV	Short-term value: 2950 mg/m³, 1000 ppm	
108-8	88-3 toluene	
PEL	Short-term value: C 300; 500* ppm	
	Long-term value: 200 ppm	
	*10-min peak per 8-hr shift	
REL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm	
	Long-term value: 375 mg/m³, 100 ppm	
TLV	188 mg/m <sup>3</sup> , 50 ppm	
	Skin; BEI	
108-1	10-1 4-methylpentan-2-one	
	410 mg/m³, 100 ppm	
REL	Short-term value: 300 mg/m <sup>3</sup> , 75 ppm	
	Long-term value: 205 mg/m <sup>3</sup> , 50 ppm	
TLV	Short-term value: 307 mg/m <sup>3</sup> , 75 ppm	
	Long-term value: 205 mg/m <sup>3</sup> , 50 ppm	
	BEI	
110-1	19-0 isobutyl acetate	
	700 mg/m <sup>3</sup> , 150 ppm	
	700 mg/m³, 150 ppm	
	713 mg/m³, 150 ppm	
78-9	3-3 butanone	
	590 mg/m <sup>3</sup> , 200 ppm	
REL	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm	
	Long-term value: 590 mg/m <sup>3</sup> , 200 ppm	
TLV	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm	
	Long-term value: 590 mg/m <sup>3</sup> , 200 ppm	
	BEI	

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## 8052-41-3 Stoddard solvent

PEL 2900 mg/m<sup>3</sup>, 500 ppm REL Short-term value: C 1800\* mg/m<sup>3</sup> Long-term value: 350 mg/m<sup>3</sup> \*15-min

*TLV* 525 mg/m<sup>3</sup>, 100 ppm

• Additional information: The lists that were valid during the creation were used as basis.

- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.
- Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air. • Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  $\cdot$  **Material of gloves** 

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

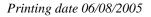
# 9 Physical and chemical properties

Form:	Aerosol	
Color:	According to product specification	
Odor:	Characteristic	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:		
Flash point:	$< -17^{\circ}C (< 1^{\circ}F)$	

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· Ignition temperature:	405.0°C (761°F)	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion: · Explosion limits:		
Lower:	1.2 Vol %	
Upper:	13.0 Vol %	
· Vapor pressure at 20°C (68°)	F): 233.0 hPa (175 mm Hg)	
• Density at 20°C (68°F):	0.74 g/cm <sup>3</sup>	
• Solubility in / Miscibility with Water:	<b>h</b> Not miscible or difficult to mix.	
· Solvent content:		
Organic solvents:	95.4 %	
VOC content:	64.4 %	
	477.7 g/l / 3.99 lb/gl	
· Solids content:	4.6 %	

# **10 Stability and reactivity**

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Dangerous reactions No dangerous reactions known.

· Dangerous products of decomposition: No dangerous decomposition products known.

## **11 Toxicological information**

· Acute toxicity:

### · LD/LC50 values that are relevant for classification:

## 108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

· Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

• on the eye: Irritating effect.

• Sensitization: No sensitizing effects known.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Harmful

Irritant

# **12 Ecological information**

· General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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Danger to drinking water if even extremely small quantities leak into the ground.

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# **13 Disposal considerations**

- · Product:
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

• DOT regulations:		
CANNER CO.		
· Hazard class:	2.1	
· Identification number:	UN1950	
· Packing group:	-	
· Proper shipping name (technica	l name): AEROSOLS, flammable	
· Label	2.1	
· Land transport ADR/RID (cros	s-harder).	
Luna transport ADIAMD (cros	<i>s-boraer)</i> .	
2		
· ADR/RID class:	2 5F Gases	
· Danger code (Kemler):	23	
· UN-Number:	1950	
· Packaging group:	-	
· Label:	2.1	
• Description of goods:	1950 AEROSOLS	
• Maritime transport IMDG:		
2		
	2.1	
IMDC Class	2.1	
· IMDG Class:	1050	
· UN Number:	1950 2 1	
· UN Number: · Label	1950 2.1	
· UN Number:		



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· Propper shipping name:	AEROSOLS	
· Air transport ICAO-TI and IAT	A-DGR:	
<b>@</b>		
	2.1	
· ICAO/IATA Class:	2.1	
· UN/ID Number:	1950	
· UN/ID Number: · Label		
· UN/ID Number:	1950	

# **15 Regulations**

· Section 355 (extremely hazardous substances):		
None of the	e ingredient is listed.	
Section 31.	3 (Specific toxic chemical listings):	
108-88-3	toluene	
108-10-1	4-methylpentan-2-one	
	ACRYLIC RESIN	
78-93-3	butanone	
7429-90-5	aluminium powder	
1330-20-7	xylene	
67-56-1	methanol	
100-41-4	ethylbenzene	
TSCA (Tox	cic Substances Control Act):	
67-64-1	l acetone	
68476-86-8	8 Petroleum gases, liquefied, sweetened	
108-88-3	3 toluene	
108-10-1	l 4-methylpentan-2-one	
110-19-0	) isobutyl acetate	
78-93-3	3 butanone	
108-65-6	5 2-methoxy-1-methylethyl acetate	
2807-30-9	9 2-(propyloxy)ethanol	
1333-86-4	4 Carbon black	
	2 2-butoxyethanol	
7429-90-5	5 aluminium powder	
1330-20-7		
8052-41-3	3 Stoddard solvent	
67-56-1	l methanol	
	acetate	

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· Proposition 65	(Contd. of page 7)
Chemicals known to cause cancer:	
1333-86-4 Carbon black	
1330-20-7 xylene	
• Chemicals known to cause reproductive toxicity:	
108-88-3 toluene	
· Cancerogenity categories	
· Cancerogenuy categories · EPA (Environmental Protection Agency)	
67-64-1 acetone	D
108-88-3 toluene	D D
78-93-3 butanone	D D
1330-20-7 xylene	D D
100-41-4 ethylbenzene	D D
· IARC (International Agency for Research on Cancer)	
108-88-3 toluene	3
1333-86-4 Carbon black	2B
1330-20-7 xylene	3
100-41-4 ethylbenzene	2B
13463-67-7 titanium dioxide	3
7631-86-9 silicon dioxide, chemically prepared	3
· NTP (National Toxicology Program)	
None of the ingredients is listed.	
• TLV (Threshold Limit Value established by ACGIH)	
67-64-1 acetone	A4
108-88-3 toluene	A4
1333-86-4 Carbon black	A4
1330-20-7 xylene	A4
13463-67-7 titanium dioxide	A4
• NIOSH-Ca (National Institute for Occupational Safety and Health)	I
1333-86-4 Carbon black	
13463-67-7 titanium dioxide	
· OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	

#### · Product related hazard informations:

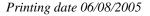
The product has been classified and marked in accordance with directives on hazardous materials.

• **Hazard symbols:** Harmful Highly flammable

#### • Hazard-determining components of labelling: toluene Stoddard solvent

• **Risk phrases:** Highly flammable. Harmful by inhalation.

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Irritating to eyes, respiratory system and skin. Danger of serious damage to health by prolonged exposure. Possible risk of harm to the unborn child.

### · Safety phrases:

Avoid exposure - obtain special instructions before use. Keep locked up and out of the reach of children.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Wear suitable protective clothing and gloves.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

#### **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing MSDS: Environment protection department.

· Contact: Mr. George Wallace