



1 Identification of the substance/mixture and of the company/undertaking

- **Product details**
- **Trade name:** 39814 Satin Black Chip Guard - QT, PACK
- **Article number:** 39814
- **Application of the substance / the preparation coating**
- **Manufacturer/Supplier:**
SEM Products Inc.
1685 Overview Drive
Rock Hill, SC 29730
803 207 8225
- **Information department:**
cust_care@semproducts.com : SEM Products, Inc. 1685 Overview Dr. Rock Hill, SC 29730 : phone 1-800-831-1122, M - TH 7am - 4pm EDT
- **Emergency information:** 24 HR EMERGENCY CHEMTREC 1-800-424-9300

2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

108-88-3	toluene ◆ H225; ◆ H361; H373; H304; ◆ H315; H336	30 - 40%
	ACRYLIC RESIN ◆ H315; H319; H336	13 - 30%
64742-88-7	Solvent naphtha (petroleum), medium aliph. ◆ H304	13 - 30%
78-83-1	butanol ◆ H226; ◆ H315; H318; ◆ H335+H336	7 - 10%
78-93-3	butanone ◆ H225; ◆ H319; H336	7 - 10%
67-63-0	propan-2-ol ◆ H225; ◆ H319; H336	5 - 7%
	Polyester Plasticizer ◆ H315; H319	1.5 - 5%
9004-36-8	CELLULOSE ACETATE BUTYRATE ◆ H302; H315; H319; H335	1.5 - 5%
108-65-6	2-methoxy-1-methylethyl acetate ◆ H226	1.5 - 5%
2807-30-9	2-(propyloxy)ethanol ◆ H312; H319	1.5 - 5%
	Silica ◆ H315; H319; H335	

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3 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS02 Flame

H225 Highly flammable liquid and vapour.



GHS08 Health hazard

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.



GHS05 Corrosion

H315 Causes skin irritation.

H318 Causes serious eye damage.



GHS07

H336 May cause drowsiness or dizziness.

H303 May be harmful if swallowed.

H333 May be harmful if inhaled.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Harmful

Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child.



Irritant

Irritating to eyes and skin.



Highly flammable

Highly flammable.

Vapours may cause drowsiness and dizziness.

- Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

Has a narcotizing effect.

- Classification system:

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

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- Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms



- Signal word *Danger*
- Hazard-determining components of labelling:

toluene
butanol

- Hazard statements

Highly flammable liquid and vapour.
May be harmful if swallowed.
May be harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.

- Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- Labelling according to EU guidelines:

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

- Code letter and hazard designation of product:



Harmful
Highly flammable

- Hazard-determining components of labelling:

toluene

- Risk phrases:

Highly flammable.
Irritating to eyes and skin.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Possible risk of harm to the unborn child.
Vapours may cause drowsiness and dizziness.

- Safety phrases:

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
Wear suitable protective clothing, gloves and eye/face protection.

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Use only in well-ventilated areas.
 This material and its container must be disposed of as hazardous waste.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

4 First aid measures

- **After inhalation:** 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 Firefighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 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:**
 No special measures required.
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
 Keep ignition sources away - Do not smoke.

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Protect against electrostatic charges.

- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **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/personal protection

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

· **Components with limit values that require monitoring at the workplace:**

108-88-3 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 ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV ()	75 mg/m ³ , 20 ppm NIC-BEI
78-83-1 butanol	
PEL ()	300 mg/m ³ , 100 ppm
REL ()	150 mg/m ³ , 50 ppm
TLV ()	152 mg/m ³ , 50 ppm
78-93-3 butanone	
PEL ()	590 mg/m ³ , 200 ppm
REL ()	Short-term value: 885 mg/m ³ , 300 ppm Long-term value: 590 mg/m ³ , 200 ppm
TLV ()	Short-term value: 885 mg/m ³ , 300 ppm Long-term value: 590 mg/m ³ , 200 ppm BEI
67-63-0 propan-2-ol	
PEL ()	980 mg/m ³ , 400 ppm
REL ()	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV ()	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI
108-65-6 2-methoxy-1-methylethyl acetate	
WEEL ()	50 ppm

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

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- **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.
Avoid contact with the eyes and skin.

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· **Breathing equipment:**

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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

· **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 through 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

· **General Information**

· **Appearance:**

Form: Liquid
Color: According to product specification
Odor: Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 79°C (174°F)

· **Flash point:** -4°C (25°F)

· **Ignition temperature:** 265°C (509°F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.

· **Explosion limits:**

Lower: 0.6 Vol %
Upper: 7.0 Vol %

· **Vapor pressure at 20°C (68°F):** 29 hPa (22 mm Hg)

· **Density at 20°C (68°F):** 0.89 g/cm³ (7.427 lbs/gal)

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- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Solvent content:**
 - Organic solvents:** 75.5 %
 - VOC content:** 75.5 %
 - 675.0 g/l / 5.63 lb/gl
- **Solids content:** 24.3 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **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)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

64742-88-7 Solvent naphtha (petroleum), medium aliph.

Oral	LD50	>6500 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
Inhalative	LC50/4 h	>14 mg/l (rat)

- **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:
Irritant

12 Ecological information

- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
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.

14 Transport information

· **DOT regulations:**



- **Hazard class:** 3
- **Identification number:** UN1263
- **Packing group:** II
- **Proper shipping name (technical name):** PAINT
- **Label:** 3
- **Remarks:** ORM-D 49CFR 173.150,156, or 306

· **Land transport TDG (Canada) and ADR/RID (Europe):**



- **Hazard class:** 3 Flammable liquids
- **UN-Number:** 1263
- **Packaging group:** II
- **Label:** 3
- **Description of goods:** 1263 PAINT, special provision 640D

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No

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· Proper shipping name: PAINT

· Air transport ICAO-TI and IATA-DGR:



· ICAO/IATA Class: 3
 · UN/ID Number: 1263
 · Label: 3
 · Packaging group: II
 · Proper shipping name: PAINT

· UN "Model Regulation": UN1263, PAINT, 3, II

15 Regulatory information

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

108-88-3	toluene
	ACRYLIC RESIN
78-93-3	butanone
67-63-0	propan-2-ol
1330-20-7	xylene
100-41-4	ethylbenzene

· TSCA (Toxic Substances Control Act):

108-88-3	toluene
64742-88-7	Solvent naphtha (petroleum), medium aliph.
78-83-1	butanol
78-93-3	butanone
67-63-0	propan-2-ol
9004-36-8	CELLULOSE ACETATE BUTYRATE
108-65-6	2-methoxy-1-methylethyl acetate
2807-30-9	2-(propyloxy)ethanol
1333-86-4	Carbon black
111-76-2	2-butoxyethanol
1330-20-7	xylene
100-41-4	ethylbenzene
9038-95-3	OXIRANE, ME, POLYMER

· Proposition 65

· Chemicals known to cause cancer:

1333-86-4	Carbon black
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1330-20-7	xylene
100-41-4	ethylbenzene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

108-88-3 toluene

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

108-88-3	toluene	II
78-93-3	butanone	I
111-76-2	2-butoxyethanol	CBD
1330-20-7	xylene	I
100-41-4	ethylbenzene	D

· **IARC (International Agency for Research on Cancer)**

108-88-3	toluene	3
67-63-0	propan-2-ol	3
1333-86-4	Carbon black	2B
111-76-2	2-butoxyethanol	3
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

108-88-3	toluene	A4
67-63-0	propan-2-ol	A4
1333-86-4	Carbon black	A4
111-76-2	2-butoxyethanol	A3
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

1333-86-4 Carbon black

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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

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:** Steve Gaver

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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMSI: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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