

**1 Identification of the substance and manufacturer**

Trade name: **FLAT BLACK**  
 Product code: 663-106  
 Product category: PC9a Paints and coatings.  
 Manufacturer/Supplier: Distributed By:  
 Tacoma Screw Products, Inc.  
 2001 Center Street  
 Tacoma, WA 98409  
 800-562-8192  
 Emergency telephone number: CHEMTEL 1-800-255-3924, or 813-248-0585.

**2 Hazard(s) identification****Classification of the substance or mixture**

Flam. Aerosol 1 H222 Extremely flammable aerosol.  
 Press. Gas H280 Contains gas under pressure; may explode if heated.  
 Carc. 2 H351 Suspected of causing cancer.  
 Eye Irrit. 2A H319 Causes serious eye irritation.  
 STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
 GHS Hazard pictograms



GHS02 GHS04 GHS07 GHS08

**Signal word**

Danger

**Hazard statements**

Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Causes serious eye irritation.  
 Suspected of causing cancer.  
 May cause respiratory irritation. May cause drowsiness or dizziness.  
 If medical advice is needed, have product container or label at hand.  
 Keep out of reach of children.  
 Read label before use.

**Precautionary statements**

Obtain special instructions before use.  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.  
 Wash hands thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Do not handle until all safety precautions have been read and understood.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 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 if you feel unwell.  
 If eye irritation persists: Get medical advice/attention.  
 Store locked up.  
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

**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:**

|             |                        |        |
|-------------|------------------------|--------|
| 67-64-1     | Acetone                | 21.38% |
| 74-98-6     | propane                | 15.75% |
| 1317-65-3   | Calcium Carbonate      | 13.31% |
| 106-97-8    | n-butane               | 9.25%  |
| 108-10-1    | methyl isobutyl ketone | 7.2%   |
| 64742-89-8  | VM&P Naphtha           | 4.53%  |
| 108-65-6    | PM acetate             | 4.23%  |
| 2807-30-9   | Glycol Ether EP        | 2.58%  |
| 110-19-0    | isobutyl acetate       | 2.37%  |
| 107-87-9    | Methyl Propyl Ketone   | 1.34%  |
| 112926-00-8 | Silicon Dioxide        | 1.14%  |

**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. If symptoms persist, consult a doctor.  
**After swallowing:** Rinse out mouth and then drink plenty of water.  
 Rinse mouth with water. Do not induce vomiting.  
**Most important symptoms and effects:** Dizziness

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Indication of any immediate medical attention needed:

No further relevant information available.

**5 Fire-fighting measures**

Extinguishing agents:

CO<sub>2</sub>, 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.

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.

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:

**67-64-1 Acetone**

PEL (USA)

Long-term value: 2400 mg/m<sup>3</sup>, 1000 ppm

REL (USA)

Long-term value: 590 mg/m<sup>3</sup>, 250 ppm

TLV (USA)

Short-term value: (1782) NIC-1187 mg/m<sup>3</sup>, (750) NIC-500 ppm  
Long-term value: (1188) NIC-594 mg/m<sup>3</sup>, (500) NIC-250 ppm  
BEI**74-98-6 propane**

PEL (USA)

Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm

REL (USA)

Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm

TLV (USA)

refer to Appendix F

**106-97-8 n-butane**

REL (USA)

Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm

TLV (USA)

Short-term value: 2370 mg/m<sup>3</sup>, 1000 ppm**108-10-1 methyl isobutyl ketone**

PEL (USA)

Long-term value: 410 mg/m<sup>3</sup>, 100 ppm

REL (USA)

Short-term value: 300 mg/m<sup>3</sup>, 75 ppm

TLV (USA)

Long-term value: 205 mg/m<sup>3</sup>, 50 ppmShort-term value: 307 mg/m<sup>3</sup>, 75 ppmLong-term value: 82 mg/m<sup>3</sup>, 20 ppm

BEI

**108-65-6 PM acetate**

WEEL (USA)

Long-term value: 50 ppm

**110-19-0 isobutyl acetate**

PEL (USA)

Long-term value: 700 mg/m<sup>3</sup>, 150 ppm

REL (USA)

Long-term value: 700 mg/m<sup>3</sup>, 150 ppm

TLV (USA)

Long-term value: 713 mg/m<sup>3</sup>, 150 ppm**107-87-9 Methyl Propyl Ketone**

PEL (USA)

Long-term value: 700 mg/m<sup>3</sup>, 200 ppm

REL (USA)

Long-term value: 530 mg/m<sup>3</sup>, 150 ppm

TLV (USA)

Short-term value: 529 mg/m<sup>3</sup>, 150 ppm**112926-00-8 Silicon Dioxide**

PEL (USA)

20mppcf or 80mg/m<sup>3</sup> /%SiO<sub>2</sub>

REL (USA)

Long-term value: 6 mg/m<sup>3</sup>

See Pocket Guide App. C

TLV (USA)

TLV withdrawn

Ingredients with biological limit values:

**67-64-1 Acetone**

BEI (USA)

50 mg/L

Medium: urine

Time: end of shift

Parameter: Acetone (nonspecific)

**108-10-1 methyl isobutyl ketone**

BEI (USA)

1 mg/L

Medium: urine

Time: end of shift

Parameter: MIBK

Hygienic protection:

Immediately remove all soiled and contaminated clothing.

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**Breathing equipment:** Wash hands after use.  
Avoid contact with the eyes and skin.  
Do not eat or drink while working.  
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 hygiene.

**Hand protection:** Protective gloves. The glove material must be impermeable and resistant to the substance.

**Eye protection:** 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 (-47 °F)  
**Flash point:** -19 °C (-2 °F)  
**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:** 1.7 Vol %  
**Upper Explosion Limit:** 10.9 Vol %  
**Vapor pressure:** Not determined.  
**Relative Density:** Between 0.77 and 0.85 (Water equals 1.00)  
**Vapour density:** Not determined.  
**Evaporation rate:** Not applicable.  
**Partition coefficient: n-octanol/water:** Not determined.  
**Solubility:** Not determined.  
**Viscosity:** Not determined.  
**VOC content:** 517.3 g/l / 4.32 lb/gl  
**VOC content (less exempt solvents):** 48.8 %  
**MIR Value:** 0.96  
**Solids content:** 29.6 %

## 10 Stability and reactivity

**Reactivity:** Stable at normal temperatures.  
**Conditions to avoid:** Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.  
**Chemical stability:** Not fully evaluated.  
**Possibility of hazardous reactions:** No dangerous reactions known.  
**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)

## 108-10-1 methyl isobutyl ketone

Oral LD50 2100 mg/kg (rat)

Dermal LD50 16000 mg/kg (rab)

Inhalative LC50/4 h 8.3-16.6 mg/l (rat)

## 108-65-6 PM acetate

Oral LD50 8500 mg/kg (rat)

Inhalative LC50/4 h 35.7 mg/l (rat)

## 110-19-0 isobutyl acetate

Oral LD50 4763 mg/kg (rbl)

**Information on toxicological effects:** No data available.**Skin effects:** No irritant effect.**Eye effects:** Irritating effect.**Sensitization:** No sensitizing effects known.

## Carcinogenic categories

IARC (International Agency for Research on Cancer)

108-10-1 methyl isobutyl ketone

2B

NTP (National Toxicology Program)

None of the ingredients is listed.

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## 12 Ecological information

|                                       |   |
|---------------------------------------|---|
| <b>Aquatic toxicity:</b>              | Hazardous for water, do not empty into drains.                                      |
| <b>Persistence and degradability:</b> | The product is degradable after prolonged exposure to natural weathering processes. |
| <b>Bioaccumulative potential:</b>     | No further relevant information available.  |
| <b>Mobility in soil:</b>              | No further relevant information available.  |
| <b>Other adverse effects:</b>         | No further relevant information available.  |

## 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

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>UN-Number</b>                     | UN1950                   |
| <b>DOT</b>                           | N/A                      |
| <b>DOT</b>                           | Consumer Commodity ORM-D |
| <b>ADR</b>                           | Aerosols, flammable      |
| <b>Transport hazard class(es):</b>   | 1950 Aerosols            |
| <b>Class</b>                         | 2.1                      |
| <b>Marine pollutant:</b>             | No                       |
| <b>Special precautions for user:</b> | Warning: Gases           |
| <b>EMS Number:</b>                   | F-D,S-U                  |
| <b>Packaging Group:</b>              | -                        |
| <b>UN "Model Regulation":</b>        | UN1950, Aerosols, 2.1    |

## 15 Regulatory information

### SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

### SARA Section 313 (Specific toxic chemical listings):

108-10-1 methyl isobutyl ketone

**CPSC:** This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

### California Proposition 65 chemicals known to cause cancer:

108-10-1 methyl isobutyl ketone

1333-86-4 Carbon black

100-41-4 ethyl benzene

### CANADIAN ENVIRONMENTAL PROTECTION ACT:

All hazardous ingredients for this product appear on the Canadian Domestic Substance List.

### EPA:

67-64-1 Acetone

108-10-1 methyl isobutyl ketone

110-19-0 isobutyl acetate

## 16 Other information

|  |                    |
|--|--------------------|
| <b>Contact:</b>                            | Regulatory Affairs |
| <b>Date of preparation / last revision</b> | 04/14/2015 / -     |