

## Safety Data Sheet

Printing date 03/15/2016

Revised On 03/15/2016

## 1 Identification of the substance and manufacturer

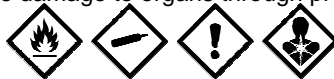
**Trade name:** FLAT BLACK  
**Product code:** EE00094106  
**Product category:** PC9a Paints and coatings.  
**Manufacturer/Supplier:** Etterman Enterprises  
 1913 West Highway 12  
 Willmar, MN 56201  
 phone: 320-235-1940  
 email: info@ettermanenterprises.com  
**Emergency telephone number:** CHEMTEL 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.  
 Eye Irrit. 2A H319 Causes serious eye irritation.  
 STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.  
 STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

## GHS Hazard pictograms



GHS02 GHS04 GHS07 GHS08

## Signal word

## Hazard statements

Danger  
 Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Causes serious eye irritation.

## Precautionary statements

May cause respiratory irritation. May cause drowsiness or dizziness.  
 May cause damage to organs through prolonged or repeated exposure.  
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 Do not spray on an open flame or other ignition source.  
 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 breathe 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.  
 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.

## 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  
**Indication of any immediate medical attention needed:** No further relevant information available.

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**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: 1187 mg/m <sup>3</sup> , 500 ppm Long-term value: 594 mg/m <sup>3</sup> , 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 in TLVs and BEIs book

**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 Long-term value: 205 mg/m <sup>3</sup> , 50 ppm
TLV (USA)	Short-term value: 307 mg/m <sup>3</sup> , 75 ppm Long-term value: 82 mg/m <sup>3</sup> , 20 ppm BEI

**108-65-6 PM acetate**

WEEL (USA)	Long-term value: 50 ppm
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**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)	Short-term value: NIC-712 mg/m <sup>3</sup> , NIC-150 ppm Long-term value: (713) NIC-238 mg/m <sup>3</sup> , (150) NIC-50 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)
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**108-10-1 methyl isobutyl ketone**

BEI (USA)	1 mg/L Medium: urine Time: end of shift Parameter: MIBK
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**Hygienic protection:** Immediately remove all soiled and contaminated clothing.  
Wash hands after use.  
Avoid contact with the eyes and skin.  
Do not eat or drink while working.

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**Breathing equipment:**

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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:**

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**

<b>Appearance:</b>	Aerosol.
<b>Odor:</b>	Solvent
<b>Odor threshold:</b>	Not determined.
<b>pH-value:</b>	Not determined.
<b>Melting point/Melting range</b>	Undetermined.
<b>Boiling point:</b>	-44 °C (-47 °F)
<b>Flash point:</b>	-19 °C (-2 °F)
<b>Flammability (solid, gas):</b>	Extremely flammable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	In use, may form flammable/explosive vapour-air mixture.
<b>Lower Explosion Limit:</b>	1.7 Vol %
<b>Upper Explosion Limit:</b>	10.9 Vol %
<b>Vapor pressure:</b>	Not determined.
<b>Relative Density:</b>	Between 0.77 and 0.85 (Water equals 1.00)
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not applicable.
<b>Partition coefficient: n-octonal/water:</b>	Not determined.
<b>Solubility:</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>VOC content:</b>	518.4 g/l / 4.33 lb/gl
<b>VOC content (less exempt solvents):</b>	48.9 %
<b>MIR Value:</b>	0.96
<b>Solids content:</b>	29.6 %

**10 Stability and reactivity**

<b>Reactivity:</b>	Stable at normal temperatures.
<b>Conditions to avoid:</b>	Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.
<b>Chemical stability:</b>	Not fully evaluated.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>Incompatible materials:</b>	No further relevant information available.
<b>Hazardous decomposition:</b>	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 (rbt)

<b>Information on toxicological effects:</b>	No data available.
<b>Skin effects:</b>	No irritant effect.
<b>Eye effects:</b>	Irritating effect.
<b>Sensitization:</b>	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.

**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.

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**Bioaccumulative potential:** No further relevant information available.  
**Mobility in soil:** No further relevant information available.  
**Other adverse effects:** 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**

**UN-Number** UN1950  
**DOT** N/A  
**DOT** Consumer Commodity ORM-D  
 Aerosols, flammable  
**ADR** 1950 Aerosols  
**Transport hazard class(es):**  
**Class** 2.1  
**Marine pollutant:** No  
**Special precautions for user:** Warning: Gases  
**EMS Number:** F-D,S-U  
**Quantity limitations** On passenger aircraft/rail: 75 kg  
 On cargo aircraft only: 150 kg

**ADR**  
**Excepted quantities (EQ)** Code: E0  
 Not permitted as Excepted Quantity

**IMDG**

**Limited quantities (LQ)** 1L  
**Excepted quantities (EQ)** Code: E0  
 Not permitted as Excepted Quantity  
**Packaging Group:** --  
**UN "Model Regulation":** 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: 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

**EPA:**

67-64-1 Acetone

108-10-1 methyl isobutyl ketone

110-19-0 isobutyl acetate

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I  
D**16 Other information**

**Contact:** Regulatory Affairs  
**Date of preparation / last revision** 03/15/2016 / -