Safety Data Sheet

Printing date 10/11/2016 Revised On 10/11/2016

1 Identification of the substance and manufacturer

Trade name: **FLAT BLACK**

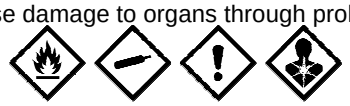
Product code: BD1204
Product category PC9a Paints and coatings.
Manufacturer/Supplier: Class C Solutions Group, a business of MSC Industrial Supply Co.
75 Maxess Road
Melville NY 11747-3151
1-866-438-6767
2595 Skymark Ave. Suite 202
Mississauga, ON L4W 4L5
Emergency telephone number: CHEMTEL 1-800-255-3924, 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 Danger
Hazard statements
Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.
May cause respiratory irritation. 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.
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	21.24%
74-98-6	propane	15.75%
1317-65-3	Calcium Carbonate	13.24%
106-97-8	n-butane	9.25%
110-19-0	Isobutyl Acetate	8.54%
64742-89-8	VM&P Naphtha	4.54%
108-65-6	PM acetate	4.19%
2807-30-9	Glycol Ether EP	2.56%
108-10-1	methyl isobutyl ketone	1.49%
107-87-9	Methyl Propyl Ketone	1.33%
112926-00-8	Silicon Dioxide	1.13%

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_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.
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 (United States GHS)	Long-term value: 2400 mg/m³, 1000 ppm
REL (United States GHS)	Long-term value: 590 mg/m³, 250 ppm
TLV (United States GHS)	Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI
74-98-6 propane	
PEL (United States GHS)	Long-term value: 1800 mg/m³, 1000 ppm
REL (United States GHS)	Long-term value: 1800 mg/m³, 1000 ppm
TLV (United States GHS)	refer to Appendix F inTLVs&BEIs book; NIC-EX
106-97-8 n-butane	
REL (United States GHS)	Long-term value: 1900 mg/m³, 800 ppm
TLV (United States GHS)	Short-term value: (2370) mg/m³, (1000) ppm NIC-EX
110-19-0 Isobutyl Acetate	
PEL (United States GHS)	Long-term value: 700 mg/m³, 150 ppm
REL (United States GHS)	Long-term value: 700 mg/m³, 150 ppm
TLV (United States GHS)	Short-term value: 172 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm
108-65-6 PM acetate	
WEEL (United States GHS)	Long-term value: 50 ppm
108-10-1 methyl isobutyl ketone	
PEL (United States GHS)	Long-term value: 410 mg/m³, 100 ppm
REL (United States GHS)	Short-term value: 300 mg/m³, 75 ppm Long-term value: 205 mg/m³, 50 ppm
TLV (United States GHS)	Short-term value: 307 mg/m³, 75 ppm Long-term value: 82 mg/m³, 20 ppm BEI
107-87-9 Methyl Propyl Ketone	
PEL (United States GHS)	Long-term value: 700 mg/m³, 200 ppm
REL (United States GHS)	Long-term value: 530 mg/m³, 150 ppm
TLV (United States GHS)	Short-term value: 529 mg/m³, 150 ppm
112926-00-8 Silicon Dioxide	
PEL (United States GHS)	20mppcf or 80mg/m3 /%SiO_2
REL (United States GHS)	Long-term value: 6 mg/m³ See Pocket Guide App. C
TLV (United States GHS)	TLV withdrawn

Ingredients with biological limit values:

67-64-1 Acetone	
BEI (United States GHS)	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
108-10-1 methyl isobutyl ketone	
BEI (United States GHS)	1 mg/L Medium: urine Time: end of shift Parameter: MIBK

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: 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 hygeine.

Hand protection: Nitrile gloves.
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)
Vapor density Not determined.
Evaporation rate Not applicable.
Partition coefficient: n-octonal/water: Not determined.

Solubility: Not determined.
Viscosity: Not determined.

VOC content: 520.9 g/l / 4.35 lb/gl
VOC content (less exempt solvents): 49.2 %
MIR Value: 0.95

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)
110-19-0 Isobutyl Acetate		
Oral	LD50	4763 mg/kg (rbt)
108-65-6 PM acetate		
Oral	LD50	8500 mg/kg (rat)
Inhalative	LC50/4 h	35.7 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)

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.

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.

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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
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.
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": UN 1950 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 Domestice Substance List.
WHMIS Symbols for Canada: A - Compressed gas
D2B - Toxic material causing other toxic effects

EPA:

67-64-1	Acetone	I
110-19-0	Isobutyl Acetate	D
108-10-1	methyl isobutyl ketone	I

16 Other information

Contact: Regulatory Affairs
Date of preparation / last revision 10/11/2016 / -