



SAFETY DATA SHEET

Revision date 29-Oct-2015

Version 7

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	230 FLAT BLACK	6U
Product Code	069.0000230.076	
UN/ID no	UN1950	
Recommended Use	Aerosol, Paint	

Details of the supplier of the safety data sheet

See section 16 for more information

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Section 2: HAZARDS IDENTIFICATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

HAZARD STATEMENTS

Flammable aerosol Contains gas under pressure; may explode if heated
Suspected of causing cancer Causes serious eye irritation May cause damage to organs through prolonged or repeated exposure
May cause drowsiness or dizziness Causes skin irritation

WHMIS Hazard Class

B5 - Flammable aerosol
A Compressed gases
D2A - Very toxic materials
D2B - Toxic materials



Signal word

WARNING

PREVENTION

Use only outdoors or in a well-ventilated area Do not breathe dust/fume/gas/mist/vapors/spray Do not handle until all safety precautions have been read and understood Do not spray on an open flame or other ignition source Obtain special instructions before use Wear protective gloves/protective clothing/eye protection/face protection Pressurized container: Do not pierce or burn, even after use Wash face, hands and any exposed skin thoroughly after handling

Product Code 069.0000230.076

Page 1 / 10

WPNA - CANADA WHMIS SDS

RESPONSE

IF exposed or concerned: Get medical advice/attention

Eyes

If eye irritation persists: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin

Rinse skin with water/shower If skin irritation occurs: Get medical advice/attention

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Do NOT induce vomiting

STORAGE

Store in a well-ventilated place Protect from sunlight. Store in a well-ventilated place Store locked up Do not expose to temperatures exceeding 122 °F (50 °C)

DISPOSAL

Dispose of contents/containers in accordance with local regulations

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
Acetone	67-64-1	25 - 50
Propane	74-98-6	10 - 25
Butane	106-97-8	5 - 10
Xylenes	1330-20-7	5 - 10
Ethyl acetate	141-78-6	1 - 3
Ethylbenzene	100-41-4	1 - 3
Methyl ethyl ketone	78-93-3	1 - 3
Carbon black	1333-86-4	0.3 - 1

Section 4: FIRST AID MEASURES

First Aid Measures

General advice

IF exposed or concerned: Get medical advice/attention

Eye contact

If eye irritation persists: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin Contact

Rinse skin with water/shower If skin irritation occurs: Get medical advice/attention

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Do NOT induce vomiting

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Product Code 069.0000230.076

Page 2 / 10

WPNA - CANADA WHMIS SDS

Flammable properties	Flammable liquid.
flash point	-31 °F / -35 °C
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Autoignition temperature	No information available
Explosion data	
Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	No information available.

Suitable extinguishing media

Dry chemical, CO2, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2).

Specific hazards arising from the chemical

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. Spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal. Keep product and empty container away from heat and sources of ignition.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

Section 7: HANDLING AND STORAGE

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

General Hygiene Considerations

Avoid contact with skin, eyes or clothing. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Product Code 069.0000230.076

Page 3 / 10

WPNA - CANADA WHMIS SDS

Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Protect from sunlight. Store in a well-ventilated place.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Exposure Limits

If S* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical Name	ACGIH TLV	Alberta	British Columbia	Ontario TWA	Quebec	OSHA PEL
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 500 ppm TWA: 1200 mg/m ³ STEL: 750 ppm STEL: 1800 mg/m ³	TWA: 250 ppm STEL: 500 ppm	TWA: 500 ppm STEL: 750 ppm	TWA: 500 ppm TWA: 1190 mg/m ³ STEL: 1000 ppm STEL: 2380 mg/m ³	TWA: 1000 ppm TWA: 2400 mg/m ³
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm	TWA: 1000 ppm	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	TWA: 1000 ppm TWA: 1800 mg/m ³
Butane 106-97-8	STEL: 1000 ppm	TWA: 1000 ppm	TWA: 600 ppm STEL: 750 ppm	TWA: 800 ppm	TWA: 800 ppm TWA: 1900 mg/m ³	
Xylenes 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm TWA: 435 mg/m ³
Ethyl acetate 141-78-6	TWA: 400 ppm	TWA: 400 ppm TWA: 1440 mg/m ³	TWA: 150 ppm	TWA: 400 ppm	TWA: 400 ppm TWA: 1440 mg/m ³	TWA: 400 ppm TWA: 1400 mg/m ³
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 125 ppm STEL: 543 mg/m ³	TWA: 20 ppm	TWA: 20 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 125 ppm STEL: 543 mg/m ³	TWA: 100 ppm TWA: 435 mg/m ³
Methyl ethyl ketone 78-93-3	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m ³ STEL: 300 ppm STEL: 885 mg/m ³	TWA: 50 ppm STEL: 100 ppm	TWA: 200 ppm STEL: 300 ppm	TWA: 50 ppm TWA: 150 mg/m ³ STEL: 100 ppm STEL: 300 mg/m ³	TWA: 200 ppm TWA: 590 mg/m ³
Carbon black 1333-86-4	TWA: 3 mg/m ³ inhalable fraction	TWA: 3.5 mg/m ³	TWA: 3 mg/m ³	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal Protective Equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand Protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

Skin and body protection

Wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber. Wear suitable protective clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Thermal Protection

No information available

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Product Code 069.0000230.076

Page 4 / 10

WPNA - CANADA WHMIS SDS

Information on basic physical and chemical properties

Physical state	Aerosol
Appearance	No information available
Odor	Solvent
Color	black
Odor Threshold	No information available
pH value	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	No information available °C / °F
flash point	-35 °C / -31 °F
evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor Pressure	No information available
vapor density	No information available
Density (lbs per US gallon)	6.32
specific gravity	.76
Solubility(ies)	Not Determined
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

Other information

Section 10: STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Incompatible materials	Strong oxidizing agents.
Conditions to avoid	Heat, flames and sparks.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO2).
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Information on likely routes of exposure

Eye contact

Causes serious eye irritation

Skin Contact

Causes skin irritation

Ingestion

Not applicable

Inhalation

May cause drowsiness or dizziness

Numerical measures of toxicity - Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone	-	-	= 50100 mg/m ³ (Rat) 8 h

Product Code 069.0000230.076

Page 5 / 10

WPNA - CANADA WHMIS SDS

Propane	-	-	= 658 mg/L (Rat) 4 h
Butane	-	-	= 658 g/m ³ (Rat) 4 h
Xylenes	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
Ethyl acetate	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit)	-
Ethylbenzene	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
Methyl ethyl ketone	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Carbon black	-	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Causes skin irritation
Serious eye damage/eye irritation	Causes serious eye irritation
Skin sensitization	Not applicable
Respiratory sensitization	Not applicable
Germ cell mutagenicity	Not applicable
Carcinogenicity	Suspected of causing cancer
Reproductive Toxicity	Not applicable
Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness
Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard	Not applicable

Carcinogenicity

According to IARC, Volume 93, no significant exposure to primary particles of carbon black is thought to occur from use in paints since the pigment is bound to other materials.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylbenzene	A3	Group 2B		X
Carbon black	A3	Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Environmental precautions Prevent product from entering drains.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Acetone	-	6210 - 8120 mg/L Pimephales promelas 96h LC50 = 8300 mg/L Lepomis macrochirus 96h LC50 4.74 - 6.33 mL/L Oncorhynchus mykiss 96h LC50	12600 - 12700 mg/L Daphnia magna 48h EC50 10294 - 17704 mg/L Daphnia magna 48h EC50
Propane	-	-	-
Butane	-	-	-

Xylenes	-	7.711 - 9.591 mg/L <i>Lepomis macrochirus</i> 96h LC50 23.53 - 29.97 mg/L <i>Pimephales promelas</i> 96h LC50 = 780 mg/L <i>Cyprinus carpio</i> 96h LC50 > 780 mg/L <i>Cyprinus carpio</i> 96h LC50 30.26 - 40.75 mg/L <i>Poecilia reticulata</i> 96h LC50 = 19 mg/L <i>Lepomis macrochirus</i> 96h LC50 = 13.4 mg/L <i>Pimephales promelas</i> 96h LC50 2.661 - 4.093 mg/L <i>Oncorhynchus mykiss</i> 96h LC50 13.5 - 17.3 mg/L <i>Oncorhynchus mykiss</i> 96h LC50 13.1 - 16.5 mg/L <i>Lepomis macrochirus</i> 96h LC50	= 0.6 mg/L <i>Gammarus lacustris</i> 48h LC50 = 3.82 mg/L water flea 48h EC50
Ethyl acetate	-	352 - 500 mg/L <i>Oncorhynchus mykiss</i> 96h LC50 = 484 mg/L <i>Oncorhynchus mykiss</i> 96h LC50 220 - 250 mg/L <i>Pimephales promelas</i> 96h LC50	= 560 mg/L <i>Daphnia magna</i> 48h EC50
Ethylbenzene	1.7 - 7.6 mg/L <i>Pseudokirchneriella subcapitata</i> 96 h EC50 > 438 mg/L <i>Pseudokirchneriella subcapitata</i> 96 h EC50 2.6 - 11.3 mg/L <i>Pseudokirchneriella subcapitata</i> 72 h EC50 = 4.6 mg/L <i>Pseudokirchneriella subcapitata</i> 72 h EC50	9.1 - 15.6 mg/L <i>Pimephales promelas</i> 96h LC50 = 9.6 mg/L <i>Poecilia reticulata</i> 96h LC50 = 32 mg/L <i>Lepomis macrochirus</i> 96h LC50 7.55 - 11 mg/L <i>Pimephales promelas</i> 96h LC50 = 4.2 mg/L <i>Oncorhynchus mykiss</i> 96h LC50 11.0 - 18.0 mg/L <i>Oncorhynchus mykiss</i> 96h LC50	1.8 - 2.4 mg/L <i>Daphnia magna</i> 48h EC50
Methyl ethyl ketone	-	3130 - 3320 mg/L <i>Pimephales promelas</i> 96h LC50	> 520 mg/L <i>Daphnia magna</i> 48h EC50 4025 - 6440 mg/L <i>Daphnia magna</i> 48h EC50 = 5091 mg/L <i>Daphnia magna</i> 48h EC50
Carbon black	-	-	-

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Chemical Name	Partition Coefficient (n-octanol/water)
Acetone	-0.24
Propane	2.3
Butane	2.89
Xylenes	3.15
Ethyl acetate	0.6
Ethylbenzene	3.118
Methyl ethyl ketone	0.29
Carbon black	-

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations

Product Code 069.0000230.076

Page 7 / 10

WPNA - CANADA WHMIS SDS

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

UN/ID no	TDG UN1950	IMDG UN1950	IATA UN1950
Proper shipping name	Aerosols	Aerosols	Aerosols
Hazard Class	2.1	2.1	2.1
Packing Group			
Environmental hazard	Not applicable		
Special Provisions		EmS-No F-D, S-U	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			No information available

Section 15: REGULATORY INFORMATION**International Inventories****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

All components are listed or exempt from listing

DSL - Canadian Domestic Substances List

All components are listed or exempt from listing

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR**WHMIS Hazard Class**

B5 - Flammable aerosol

A - Compressed gases

D2A - Very toxic materials

D2B - Toxic materials



Chemical Name	Canada - 2013 NPRI (National Pollutant Release Inventory)
Acetone	Part 4 Substance
Propane	Part 5, Individual Substances
Butane	Part 5, Isomer Groups Part 4 Substance
Xylenes	Part 1, Group A Substance Part 5, Isomer Groups
Ethyl acetate	Part 5, Individual Substances
Ethylbenzene	Part 1, Group A Substance
Methyl ethyl ketone	Part 1, Group A Substance Part 5, Individual Substances

GHS - Classification

Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable aerosols	Category 2
Gases under pressure	Liquefied gas

Label elements**Product Code 069.0000230.076**

Page 8 / 10

WPNA - CANADA WHMIS SDS



Signal word

WARNING

HAZARD STATEMENTS

Flammable aerosol
Contains gas under pressure; may explode if heated
Causes serious eye irritation
Suspected of causing cancer
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure

PREVENTION

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. 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.

RESPONSE

IF exposed or concerned: Get medical advice/attention.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin

Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion

Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

STORAGE

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 122 °F (50 °C).

DISPOSAL

Dispose of contents/containers in accordance with local regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

Propellant is classified as a simple asphyxiant if released in large quantities: May displace oxygen and cause rapid suffocation.

OTHER HAZARDS

Causes mild skin irritation. spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

UNKNOWN ACUTE TOXICITY .0001% of the mixture consists of ingredient(s) of unknown toxicity.

Section 16: OTHER INFORMATION

HMIS

Health hazards	2*
* = Chronic Health Hazard	
Flammability	4
Physical hazards	0
Personal Protection	X

Supplier Address

Product Code 069.0000230.076

Page 9 / 10

WPNA - CANADA WHMIS SDS

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Prepared By

Product Stewardship

Revision date

29-Oct-2015

Revision Note

No information available

Disclaimer

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

End of Safety Data Sheet