

SAFETY DATA SHEET

Revision date 10-Nov-2015 Version 1

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name 9103 FLEX BUMP ORIG BLK 6U

Product Code 456.0109103.076

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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Emergency telephone number 1-888-345-5732

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

Causes skin irritation Suspected of causing cancer May cause damage to organs through prolonged or repeated exposure May cause drowsiness or dizziness Suspected of damaging fertility or the unborn child Causes serious eye irritation

WHMIS Hazard Class

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



Signal word WARNING

PREVENTION

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 Pressurized container: Do not pierce or burn, even after use Do not spray on an open flame or other ignition source Use only outdoors or in a well-ventilated area Obtain special instructions before use Do not handle until all safety precautions have been read and understood

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

IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse

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

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
Xylenes	1330-20-7	5 - 10
Butane	106-97-8	5 - 10
Toluene	108-88-3	5 - 10
Ethylbenzene	100-41-4	0.3 - 1
Rutile (TiO2)	1317-80-2	0.3 - 1

Section 4: FIRST AID MEASURES

First Aid Measures

General advice

IF exposed or concerned: Get medical advice/attention

Eve contact

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 Contact

IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse

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

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Product Code 456.0109103.076 Page 2/10 WPNA - CANADA WHMIS SDS

Indication of any immediate medical attention and special treatment needed

Section 5: FIRE FIGHTING MEASURES

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.

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. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

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. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

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. Use only with adequate ventilation. 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.

General Hygiene Considerations

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

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. Keep container tightly closed in a dry and well-ventilated place. 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/m³ STEL: 750 ppm STEL: 1800 mg/m³	TWA: 250 ppm STEL: 500 ppm	TWA: 500 ppm STEL: 750 ppm	TWA: 500 ppm TWA: 1190 mg/m³ STEL: 1000 ppm STEL: 2380 mg/m³	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
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
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	
Toluene 108-88-3	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m ³ S*	TWA: 20 ppm Adverse reproductive effect	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m ³ S*	TWA: 200 ppm Ceiling: 300 ppm
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
Rutile (TiO2) 1317-80-2	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust

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. Local authorities should be advised if significant spillages cannot be contained.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Aerosol

Appearance No information available

Odor Solvent Color black

Odor ThresholdNo information availablepH valueNo information availableMelting point/freezing pointNo information available

Boiling point / boiling range No information available °C / °F

flash point -35 °C / -31 °F

evaporation rateFlammability (solid, gas)
No information available
No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
No information available

Density (lbs per US gallon) 6.3 specific gravity .75

Solubility(ies) Not Determined

Partition coefficient
Autoignition temperature
Decomposition temperature
Kinematic 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

Product Code 456.0109103.076 Page 5 / 10 WPNA - CANADA WHMIS SDS 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
Propane	-	-	= 658 mg/L (Rat) 4 h
Xylenes	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
Butane	-	-	= 658 g/m³ (Rat) 4 h
Toluene	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
Ethylbenzene	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
Rutile (TiO2)	> 10000 mg/kg (Rat)	-	-

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 sensitizationNot applicableRespiratory sensitizationNot applicableGerm cell mutagenicityNot applicable

Carcinogenicity Suspected of causing cancer

Reproductive Toxicity Suspected of damaging fertility or the unborn child

Specific target organ toxicity (single May cause drowsiness or dizziness

exposure)

Specific target organ toxicity

(repeated exposure)

May cause damage to organs through prolonged or repeated exposure

Aspiration hazard Not applicable

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylbenzene	A3	Group 2B		X
Rutile (TiO2)		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

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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	=	-	=

7.711 - 9.591 mg/L Lepomis macrochirus 96h LC50 23.53 - 29.97 mg/L Pimephales promelas 96h LC50 = 780 mg/L Cyprinus carpio 96h LC50 > 780 mg/L Cyprinus carpio 96h LC50 > 780 mg/L Cyprinus carpio 96h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96h LC50 = 19 mg/L Lepomis macrochirus 96h LC50 = 13.4 mg/L Pimephales promelas 96h LC50 2.661 - 4.093 mg/L
Oncorhynchus mykiss 96h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96h LC50
Butane
Toluene = 12.5 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 433 mg/L Pseudokirchneriella subcapitata 96 h EC50 = 28.2 mg/L Poecilia reticulata 96 h LC50 = 54 mg/L Oryzias latipes 96h LC50 = 58 mg/L Oncorhynchus mykiss 96h LC50 = 5.8 mg/L Oncorhynchus mykiss 96h LC50 14.1 - 17.16 mg/L Oncorhynchus mykiss 96h LC50 = 12.6 mg/L Pimephales promelas 96h LC50 = 11.5 mg/L Daphnia ma EC50 11.0 - 15.0 mg/L Lepomis macrochirus 96h LC50 = 5.8 mg/L Oncorhynchus mykiss 96h LC50 14.1 - 17.16 mg/L Oncorhynchus mykiss 96h LC50 = 12.6 mg/L Pimephales promelas 96h LC50
Ethylbenzene 1.7 - 7.6 mg/L Pseudokirchneriella subcapitata 96 h EC50 > 438 mg/L Pseudokirchneriella subcapitata 96 h EC50 2.6 - 11.3 mg/L Pseudokirchneriella subcapitata Pseudokirchneriella subcapitata 91.1 - 15.6 mg/L Pimephales promelas 96h LC50 = 9.6 mg/L Poecilia reticulata 96h LC50 = 32 mg/L Lepomis macrochirus 96h LC50 7.55 - 11 mg/L Pimephales
72 h EC50 = 4.6 mg/L Pseudokirchneriella subcapitata 72 h EC50 promelas 96h LC50 = 4.2 mg/L Oncorhynchus mykiss 96h LC50 11.0 - 18.0 mg/L Oncorhynchus mykiss 96h LC50

Rutile (TiO2)
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
Xylenes	3.15
Butane	2.89
Toluene	2.65
Ethylbenzene	3.118
Rutile (TiO2)	-

Waste from residues/unused

products

Disposal should be in accordance with applicable regional, national and local laws and

regulations

Contaminated packaging

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

Section 14: TRANSPORT INFORMATION

 TDG
 IMDG
 IATA

 UN/ID no
 UN1950
 UN1950

Proper shipping name Aerosols, flammable Aerosols, flammable Aerosols, flammable

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
Xylenes	Part 1, Group A Substance Part 5, Isomer Groups
Butane	Part 5, Isomer Groups Part 4 Substance
Toluene	Part 1, Group A Substance Part 5, Individual Substances
Ethylbenzene	Part 1, Group A Substance

GHS - Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	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



Signal word

WARNING

HAZARD STATEMENTS

Flammable aerosol

Contains gas under pressure; may explode if heated

Causes skin irritation

Causes serious eye irritation

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

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

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

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

Harmful to aquatic life with long lasting effects.

UNKNOWN ACUTE TOXICITY 0% of the mixture consists of ingredient(s) of unknown toxicity.

Section 16: OTHER INFORMATION

<u>HMIS</u>

Health hazards 2*

* = Chronic Health Hazard

Flammability 4 Physical hazards 0 **Personal Protection** Χ

Supplier Address

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Prepared By Product Stewardship

Revision date 10-Nov-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.

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End of Safety Data Sheet