

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

1/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifier

**Trade name** VELOCITY M3 ALL-IN-ONE HERBICIDE

**Product code (UVP)** 79380356

**SDS Number** 102000020211

**PCP Registration No.** 29584

#### Relevant identified uses of the substance or mixture and uses advised against

**Use** Herbicide

**Restrictions on use** See product label for restrictions.

#### Information on supplier

**Supplier** Bayer CropScience Inc  
#200, 160 Quarry Park Blvd, SE  
Calgary, Alberta T2C 3G3  
Canada

**Responsible Department** Email: SDSINFO.BCS-NA@bayer.com

#### Emergency telephone no.

**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577

**Product Information Telephone Number** 1-888-283-6847

### SECTION 2: HAZARDS IDENTIFICATION

#### Classified in accordance with Part 2 of the Hazardous Products Regulations

Serious eye damage: Category 1

Reproductive toxicity, Carcinogenicity: Category 2

Acute toxicity(Oral): Category 4



**Signal word:** Danger

#### Hazard statements

Causes serious eye damage.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

Harmful if swallowed.

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

2/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

### Precautionary statements

Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor/ physician.  
IF exposed or concerned: Get medical advice/ attention.  
IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.  
Rinse mouth.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

### Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.  
No health hazards not otherwise classified.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Bromoxynil	1689-84-5	15.77
Pyrasulfotole	365400-11-9	2.82
Thiencarbazone-methyl	317815-83-1	0.45
Mefenpyr-diethyl	135590-91-9	2.7
Isotridecanol, ethoxylated	9043-30-5	15.0
Stearylamine, ethoxylated	26635-92-7	5.0
Tetrapropylene benzene sulfonate, calcium salt	11117-11-6	3.0
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	30.9
Naphthalene	91-20-3	0.50

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

<b>General advice</b>	Move out of dangerous area. When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

3/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

---

<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms</b>	If large amounts are ingested, the following symptoms may occur: Headache, Nausea, Dizziness, Somnolence Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Aspiration may cause pulmonary oedema and pneumonitis. Inhalation may provoke the following symptoms: Cough, Shortness of breath, Cyanosis, Fever Symptoms and hazards refer to the solvent.
<b>Indication of any immediate medical attention and special treatment needed</b>	
<b>Risks</b>	Contains hydrocarbon solvents. May pose an aspiration pneumonia hazard.
<b>Treatment</b>	Treat symptomatically. Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. In case of aspiration intubation and bronchial lavage should be considered. Monitor: kidney, liver and pancreas function. There is no specific antidote. Contraindication: derivatives of adrenaline.

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## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing media

**Suitable** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable** High volume water jet

**Special hazards arising from the substance or mixture** Dangerous gases are evolved in the event of a fire.

### Advice for firefighters

**Special protective equipment for firefighters** Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

4/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

---

<b>Further information</b>	Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth.
<b>Flash point</b>	> 100 °C
<b>Auto-ignition temperature</b>	410 °C / 770 °F
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Explosivity</b>	Not explosive 92/69/EEC, A.14 / OECD 113

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Precautions** Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

#### Methods and materials for containment and cleaning up

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated surface thoroughly.

**Additional advice** If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.

**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Use only in area provided with appropriate exhaust ventilation. Handle and open container in a manner as to prevent spillage.

**Advice on protection against fire and explosion** Keep away from heat and sources of ignition.

**Hygiene measures** When using, do not eat, drink or smoke. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

**Conditions for safe storage, including any incompatibilities**

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

5/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

### Requirements for storage areas and containers

Store in a place accessible by authorized persons only. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Keep away from direct sunlight. Protect from freezing.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Bromoxynil	1689-84-5	0.21 mg/m <sup>3</sup> (SK-SEN)		OES BCS*
Pyrasulfotole	365400-11-9	0.3 mg/m <sup>3</sup> (TWA)		OES BCS*
Thiencarbazone-methyl	317815-83-1	10 mg/m <sup>3</sup> (TWA)		OES BCS*
Mefenpyr-diethyl	135590-91-9	10 mg/m <sup>3</sup> (TWA)		OES BCS*
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene  (Vapor.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	07 2009	CAD AB OEL
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene	64742-94-5	1,590 mg/m <sup>3</sup> /400 ppm (TWA)	07 2009	CAD AB OEL
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	05 2013	CAD BC OEL
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	03 2014	CAD MB OEL
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	11 2010	CAD ON OEL
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene	64742-94-5	525 mg/m <sup>3</sup> (TWA)	11 2010	CAD ON OEL
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene	64742-94-5	250 mg/m <sup>3</sup> (15 MIN ACL)	05 2009	CAD SK OEL

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

6/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

(Vapor.)				
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene	64742-94-5	200 mg/m3 (8 HR ACL)	05 2009	CAD SK OEL
(Vapor.)				
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene	64742-94-5	500 ppm (15 MIN ACL)	05 2009	CAD SK OEL
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene	64742-94-5	400 ppm (8 HR ACL)	05 2009	CAD SK OEL
Solvent Naphtha (petroleum), heavy aromatic, <1% naphthalene	64742-94-5	1,590 mg/m3/400 ppm (TWA)	11 2011	OEL (QUE)
Naphthalene	91-20-3	52 mg/m3/10 ppm (TWA)	07 2009	CAD AB OEL
Naphthalene	91-20-3	79 mg/m3/15 ppm (STEL)	07 2009	CAD AB OEL
Naphthalene	91-20-3	10 ppm (TWA)	09 2011	CAD BC OEL
Naphthalene	91-20-3	15 ppm (STEL)	09 2011	CAD BC OEL
Naphthalene	91-20-3	10 ppm (TWA)	03 2011	CAD MB OEL
Naphthalene	91-20-3	10 ppm (TWA)	11 2010	CAD ON OEL
Naphthalene	91-20-3	15 ppm (STEL)	11 2010	CAD ON OEL
Naphthalene	91-20-3	10 ppm (8 HR ACL)	05 2009	CAD SK OEL
Naphthalene	91-20-3	15 ppm (15 MIN ACL)	05 2009	CAD SK OEL
Naphthalene	91-20-3	79 mg/m3/15 ppm (STEL)	11 2011	OEL (QUE)
Naphthalene	91-20-3	52 mg/m3/10 ppm (TWA)	11 2011	OEL (QUE)

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
10200020211

7/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

Naphthalene	91-20-3	10 ppm (TLV)		OES BCS*
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\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

### Exposure controls

#### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

<b>Respiratory protection</b>	When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.
<b>Hand protection</b>	Chemical resistant nitrile rubber gloves
<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<b>General protective measures</b>	Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	dark brown
<b>Physical State</b>	Liquid
<b>Odor</b>	aromatic
<b>Odour Threshold</b>	No data available
<b>pH</b>	6.0 - 8.0 at 10 % (23 °C) (deionized water)
<b>Vapor Pressure</b>	No data available
<b>Vapor Density (Air = 1)</b>	No data available
<b>Density</b>	ca. 1.11 g/cm <sup>3</sup> at 20 °C
<b>Evaporation rate</b>	No data available
<b>Boiling Point</b>	No data available
<b>Melting / Freezing Point</b>	No data available
<b>Water solubility</b>	emulsifiable
<b>Minimum Ignition Energy</b>	Not applicable
<b>Decomposition temperature</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

8/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

---

<b>Viscosity</b>	100 - 200 mPa.s at 20 °C Velocity gradient 20 /s 50 - 150 mPa.s at 20 °C Velocity gradient 100 /s
<b>Flash point</b>	> 100 °C
<b>Auto-ignition temperature</b>	410 °C / 770 °F
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Explosivity</b>	Not explosive 92/69/EEC, A.14 / OECD 113

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### SECTION 10: STABILITY AND REACTIVITY

#### Reactivity

<b>Thermal decomposition</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No hazardous reactions when stored and handled according to prescribed instructions.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible materials</b>	No data available
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Exposure routes</b>	Skin contact, Eye contact, Inhalation, Ingestion
<b>Immediate Effects</b>	
<b>Eye</b>	Corrosive - causes irreversible eye damage.
<b>Skin</b>	Harmful if absorbed through skin.
<b>Ingestion</b>	May be fatal if swallowed.
<b>Information on toxicological effects</b>	
<b>Acute oral toxicity</b>	LD50 (Rat) 300 - 2,000 mg/kg
<b>Acute inhalation toxicity</b>	LC50 (Rat) > 3.209 mg/l Exposure time: 4 h Highest attainable concentration. Determined in the form of a respirable aerosol. During intended and foreseen applications, no respirable aerosol is formed.



# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

9/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

<b>Acute dermal toxicity</b>	LD50 (Rat) > 2,000 mg/kg
<b>Skin irritation</b>	Irritating to skin. (Rabbit)
<b>Eye irritation</b>	Corrosive - causes irreversible eye damage. (Rabbit)
<b>Sensitisation</b>	Non-sensitizing. (Mouse) OECD Test Guideline 429, local lymph node assay (LLNA)

### Assessment STOT Specific target organ toxicity – repeated exposure

Bromoxynil caused specific target organ toxicity in experimental animal studies in the following organ(s): Liver. The observed effects do not appear to be relevant for humans.

Pyrasulfotole did not cause specific target organ toxicity in experimental animal studies.

Thiencarbazone-methyl did not cause specific target organ toxicity in experimental animal studies.

Mefenpyr-diethyl did not cause specific target organ toxicity in experimental animal studies.

### Assessment mutagenicity

Bromoxynil was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Pyrasulfotole was not genotoxic in a battery of in vitro and in vivo tests.

Thiencarbazone-methyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Mefenpyr-diethyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

### Assessment carcinogenicity

Bromoxynil caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver. The mechanism of tumour formation is not considered to be relevant to man.

Pyrasulfotole caused at high dose levels an increased incidence of tumours in the following organ(s): Cornea, urinary bladder. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

Thiencarbazone-methyl was not carcinogenic in a lifetime feeding study in rats. Thiencarbazone-methyl caused at high dose levels an increased incidence of tumours in mice in the following organ(s): urinary bladder. The tumours seen with Thiencarbazone-methyl were caused through the chronic irritation due to the presence of bladder stones.

Mefenpyr-diethyl was not carcinogenic in lifetime feeding studies in rats and mice.

### ACGIH

Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	Group A3
Naphthalene	91-20-3	Group A3

### NTP

Naphthalene	91-20-3
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### IARC

Naphthalene	91-20-3	Overall evaluation: 2B
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### OSHA

None.

### Assessment toxicity to reproduction

Bromoxynil did not cause reproductive toxicity in a two-generation study in rats.

Pyrasulfotole did not cause reproductive toxicity in a two-generation study in rats.

Thiencarbazone-methyl did not cause reproductive toxicity in a two-generation study in rats.

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

10/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

Mefenpyr-diethyl did not cause reproductive toxicity in a two-generation study in rats.

### Assessment developmental toxicity

Bromoxynil caused a delayed foetal growth, an increased incidence of non-specific malformations.  
Bromoxynil caused developmental toxicity only at dose levels toxic to the dams.  
Pyrasulfotole did not cause developmental toxicity in rats and rabbits.  
Thiencarbazone-methyl did not cause developmental toxicity in rats and rabbits.  
Mefenpyr-diethyl caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Mefenpyr-diethyl are related to maternal toxicity.

### Further information

Only acute toxicity studies have been performed on the formulated product.  
The non-acute information pertains to the active ingredient(s).

## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity to fish</b>	LC50 (Lepomis macrochirus (Bluegill sunfish)) 0.029 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient bromoxynil.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) 0.031 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient bromoxynil.
<b>Toxicity to aquatic plants</b>	EC50 (Lemna gibba (gibbous duckweed)) 0.073 mg/l The value mentioned relates to the active ingredient bromoxynil.  IC50 (Lemna gibba (gibbous duckweed)) 0.00131 mg/l Exposure time: 7 d The value mentioned relates to the active ingredient thiencarbazone-methyl.
<b>Biodegradability</b>	Bromoxynil: Not rapidly biodegradable Pyrasulfotole: Not rapidly biodegradable Thiencarbazone-methyl: Not rapidly biodegradable Mefenpyr-diethyl: Not rapidly biodegradable
<b>Koc</b>	Bromoxynil: Koc: 108 - 239 Pyrasulfotole: Koc: 20 - 213 Thiencarbazone-methyl: Koc: 100 Mefenpyr-diethyl: Koc: 625
<b>Bioaccumulation</b>	Bromoxynil: Bioconcentration factor (BCF) 230 Does not bioaccumulate. Pyrasulfotole: Does not bioaccumulate. Thiencarbazone-methyl:

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

11/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

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	Does not bioaccumulate. Mefenpyr-diethyl: Bioconcentration factor (BCF) 232 Does not bioaccumulate.
<b>Mobility in soil</b>	Bromoxynil: Moderately mobile in soils Pyrasulfotole: Moderately mobile in soils Thiencarbazone-methyl: Moderately mobile in soils Mefenpyr-diethyl: Slightly mobile in soils
<b>Additional ecological information</b>	No ecological testing was carried out on the product. Data are based on the properties of the individual components.
<b>Environmental precautions</b>	Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities.

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### SECTION 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

<b>Product</b>	Dispose in accordance with all local, state/provincial and federal regulations. Follow container label instructions for disposal of wastes generated during use in compliance with the product label. It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines.
<b>Contaminated packaging</b>	Do not re-use empty containers. Triple rinse containers. Add washings to sprayer at time of filling. Puncture container to avoid re-use. Rinsed packaging may be acceptable for landfill, otherwise incineration will be required in accordance with local regulations. Dispose of empty and cleaned packaging safely. Follow advice on product label and/or leaflet.

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### SECTION 14: TRANSPORT INFORMATION

#### TDG

UN number	<b>3082</b>
Labels	9
Packaging group	III
Marine pollutant	Marine pollutant
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BROMOXYNIL, THIENCARBAZONE-METHYL)

#### 49CFR

UN number	<b>3082</b>
Class	9

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

12/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

Packaging group III  
Marine pollutant Marine pollutant  
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID,  
N.O.S.  
(BROMOXYNIL, THIENCARBAZONE-METHYL, NAPHTHALENE)  
RQ Reportable Quantity is reached with 20,000 lb of product.

### IMDG

UN number **3082**  
Class 9  
Packaging group III  
Marine pollutant YES  
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(BROMOXYNIL, THIENCARBAZONE-METHYL SOLUTION)

### IATA

UN number **3082**  
Class 9  
Packaging group III  
Environm. Hazardous Mark YES  
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(BROMOXYNIL, THIENCARBAZONE-METHYL SOLUTION )

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

## SECTION 15: REGULATORY INFORMATION

**PCP Registration No.** 29584

**US Federal Regulations**

**TSCA list**

None.

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

None.

**SARA Title III - Section 302 - Notification and Information**

None.

**SARA Title III - Section 313 - Toxic Chemical Release Reporting**

Bromoxynil	1689-84-5	1.0%
Naphthalene	91-20-3	0.1%

**US States Regulatory Reporting**

**CA Prop65**

This product contains a chemical known to the State of California to cause cancer.

Naphthalene	91-20-3
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This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

13/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

Bromoxynil	1689-84-5	Developmental toxin.
<b>US State Right-To-Know Ingredients</b>		
Bromoxynil	1689-84-5	CA, NJ
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	CA, CT, MN, NJ, RI
Naphthalene	91-20-3	CA, CT, IL, MN, NJ, RI
<b>Canadian Regulations</b>		
<b>Canadian Domestic Substance List</b>		
Isotridecanol, ethoxylated	9043-30-5	
Stearylamine, ethoxylated	26635-92-7	
Tetrapropylene benzene sulfonate, calcium salt	11117-11-6	
Solvent Naphtha (petroleum), heavy aromatic	64742-94-5	
Naphthalene	91-20-3	
<b>Environmental</b>		
<b>CERCLA</b>		
Naphthalene	91-20-3	
<b>Clean Water Section 307 Priority Pollutants</b>		
Naphthalene	91-20-3	
<b>Safe Drinking Water Act Maximum Contaminant Levels</b>		
Naphthalene	91-20-3	

## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

# SAFETY DATA SHEET



## VELOCITY M3 ALL-IN-ONE HERBICIDE

Version 4.0 / CDN  
102000020211

14/14  
Revision Date: 01/23/2018  
Print Date: 01/23/2018

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### NFPA 704 (National Fire Protection Association):

Health - 1      Flammability - 1      Instability - 0      Others - none

### HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

**Reason for Revision:** Revised according to the current Canadian WHMIS standard (WHMIS 2015).

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