

SAFETY DATA SHEET**Prima[®] Blue Marking Spray**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued 05.08.19

1.1. Product identifier

Product name Prima Blue Marking Spray

Article no. 1222 Prima

1.2. Relevant identified uses of the substance or mixture and uses advised against

Function Description: Marking Spray for animals.

1.3. Details of the supplier of the safety data sheet

Company Name Neogen Corporation

Postal address 944 Nandino Blvd.

Postcode 40511

City Lexington

State Kentucky

Telephone number 800-621-8829

Email inform@neogen.com

Website animalsafety.neogen.com

1.4. Emergency telephone number

Emergency telephone numbers Emergency Telephone:
Chemtrec: 1 (800) 424-9300 Outside USA and Canada: +1 (703)527-3887

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222
	Aerosol 1; H229
	Eye Irrit. 2; H319
	Carc. 2; H351
	Aquatic Chronic 3; H412

2.2. Label elements

Hazard pictograms (CLP)



Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H319 Causes serious eye irritation. H351 Suspected of causing cancer H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P201 Obtain special instructions before use. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P308+P313 IF exposed or concerned: Get medical advice / attention. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F.

2.3. Other hazards

Other hazards	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. -
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH Reg. No.: 01-2119457610-43-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319	60 - 100 % vgt/vgt
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	10 - 20 % vgt/vgt

Butane	CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0	Flam gas 1; H220 Press. Gas	10 - 30 % vgt/vgt
Propane	CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5	Flam. Gas 1; H220 Press. Gas;	10 - 30 % vgt/vgt
Isobutane	CAS No.: 75-28-5 EC No.: 200-857-2 Index No.: 601-004-00-0	Flam gas 1; H220 Press. Gas;	10 - 30 % vgt/vgt
C.I. Basic Violet 3	CAS No.: 548-62-9 EC No.: 208-953-6 Index No.: 612-204-00-2	Carc. 2; H351 Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 1 % vgt/vgt
Substance comments	The substance ethanol, propan-2-ol is an organic solvent. The substance C.I. Basic Violet 3 is on the candidate list. See full text of H-phrases in section 16.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	If medical advice is needed, have product container or label at hand. Burns: Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
Inhalation	Seek fresh air. Keep victim under observation. Get medical advice/attention if you feel unwell.
Skin contact	Remove contaminated clothing. Wash skin with soap and water. Get medical advice/attention if you feel unwell.
Eye contact	Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.
Ingestion	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

General symptoms and effects	<p>Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.</p> <p>Carcinogenic effects: This product contains substances which are considered or proven to be carcinogenic. The substances are either classified as carcinogenic or are listed by the Danish Working Environment Authority as substances thought to be carcinogenic. These substances are all covered by the DWEA's regulations on work involving the risk of cancer. The danger may lie in inhalation, skin contact or ingestion.</p>
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4.3. Indication of any immediate medical attention and special treatment needed

Other information	No special immediate treatment required.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Improper extinguishing media	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Extremely flammable aerosol. CAUTION! Aerosol containers may explode. Avoid inhalation of vapour and fumes – seek fresh air. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
Hazardous combustion products	Product decomposes in fire conditions and toxic gases such as CO _x may be released.

5.3. Advice for firefighters

Other information	If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn. Send contaminated extinguishing water for destruction.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Eliminate all ignition sources if safe to do so. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Avoid breathing and contact with skin and eyes.
Personal protection measures	Use personal protective equipment as required.

6.2. Environmental precautions

Environmental precautionary measures	Avoid unnecessary release to the environment.
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6.3. Methods and material for containment and cleaning up

Containment	Wipe up minor spills with a cloth.
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6.4. Reference to other sections

Other instructions	See section 8 for type of protective equipment. See section 13 for instructions on disposal.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	See section 8 for information about precautions for use and personal protective equipment. Use the product under well-ventilated conditions, preferably outdoors. Smoking, eating and drinking in the work room is not permitted nor is storage of tobacco, food and drinks permitted. Personal protective equipment must not be worn during meal breaks. Running water and eye wash facilities must be easily
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accessible. Wash hands before breaks, after visits to the toilet and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Store frost-free. Keep out of reach of children.
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Conditions for safe storage

Storage temperature	Value: 10 - 50 °C
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7.3. Specific end use(s)

Specific use(s)	See application section 1.
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SECTION 8: Exposure controls / personal protection

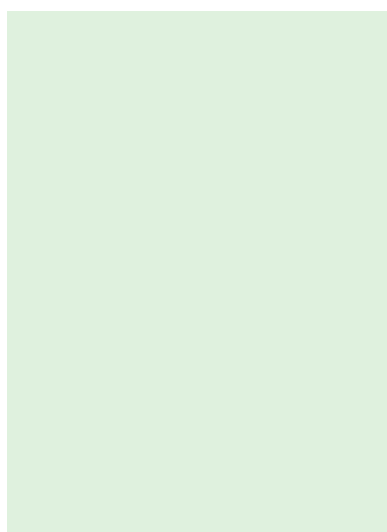
8.1. Control parameters

Substance	Identification	Value	TWA Year
Ethanol	CAS No.: 64-17-5	TWA (8h) : 1000 ppm TWA (8h) : 1920 mg/m ³	
Propan-2-ol	CAS No.: 67-63-0	TWA (8h) : 400 ppm TWA (8h) : 999 mg/m ³ OEL short term value Value: 500 ppm OEL short term value Value: 1250 mg/m ³	
Butane	CAS No.: 106-97-8	TWA (8h) : 600 ppm TWA (8h) : 1450 mg/m ³ OEL short term value Value: 750 ppm OEL short term value Value: 1810 mg/m ³	
Propane	CAS No.: 74-98-6		

DNEL / PNEC

Substance	Ethanol
DNEL	<p>Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 206 mg/kg</p> <p>Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 950 mg/m³</p> <p>Group: Professional Route of exposure: Long-term dermal (systemic) Value: 343 mg/kg</p> <p>Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 114 mg/m³</p>

PNEC	<p>Group: Consumer Route of exposure: Acute inhalation (local) Value: 950 mg/m³</p>
	<p>Group: Professional Route of exposure: Acute inhalation (local) Value: 1900 mg/m³</p>
	<p>Group: Consumer Route of exposure: Long-term oral (systemic) Value: 87 mg/kg</p>
	<p>Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 600 mg/m³</p>
	<p>Route of exposure: Soil Value: 22,5 mg/kg</p>
	<p>Route of exposure: Saltwater Value: 55,8 mg/l</p>
	<p>Route of exposure: Saltwater sediments Value: 284,7 mg/kg</p>
Substance	<p>Route of exposure: Freshwater Value: 55,8 mg/l</p>
	<p>Route of exposure: Sewage treatment plant STP Value: 709 mg/l</p>
	<p>Route of exposure: Freshwater sediments Value: 284,74 mg/kg</p>
	<p>Propan-2-ol</p>
	<p>Group: Professional Route of exposure: Lang sigt (gentages) - Dermal - Systemisk virkning Value: 888 mg/kg bw/day</p>
	<p>Group: Professional Route of exposure: Lang sigt (gentages) - Indånding - Systemisk virkning Value: 500 mg/m³</p>
DNEL	<p>Group: Consumer Route of exposure: Lang sigt (gentages) - Oral - Systemisk virkning Value: 26 mg/kg bw/day</p>
	<p>Group: Consumer Route of exposure: Lang sigt (gentages) - Dermal - Systemisk virkning Value: 319 mg/kg bw/day</p>
	<p>Group: Consumer Route of exposure: Lang sigt (gentages) - Indånding - Systemisk virkning Value: 89 mg/m³</p>
	<p>Route of exposure: Soil</p>
	<p>Exposure frequency: Kort sigt (akut)</p>
PNEC	<p>Route of exposure: Soil</p>



Value: 28 mg/kg soil dw
Route of exposure: Water
Exposure frequency: Langsigtet, (gentages)
Value: 140,9 mg/L
Reference: Marine water Intermittent releases

Route of exposure: Water
Exposure frequency: Kort sigt (akut)
Value: 140,9 mg/L
Reference: Intermittent releases Marine water

Route of exposure: Water
Exposure frequency: Kort sigt (akut)
Value: 140,9 mg/L
Reference: Fresh water

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Instruction on measures to prevent exposure

Wear the personal protective equipment specified below. Do not eat, drink or smoke when using this product. Wash hands before breaks, before using restroom facilities, and at the end of work. Særligt arbejdstøj må ikke bæres under spisepauser.

Eye / face protection

Suitable eye protection

Wear safety goggles if there is a risk of eye splash.

Hand protection

Skin- / hand protection, short term contact

Wear protective gloves made of nitrile rubber.

Skin protection

Skin protection (except hands)

Special work clothing should be used.

Respiratory protection

Respiratory protection

In case of insufficient ventilation, wear respiratory protective equipment with filter A.

Thermal hazards

Thermal hazards

Aerosol cans can explode.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol
Colour	Blue
Odour	Alcohol
Solubility description	Immiscible with water

9.2. Other information

Other physical and chemical properties

Comments	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Heating may cause a fire or explosion.
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10.2. Chemical stability

Stability	The product is stable when used in accordance with the supplier's directions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No risk of hazardous reactions.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heating and contact with ignition sources.
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10.5. Incompatible materials

Materials to avoid	None known.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No special precautions regarding contact with other materials at the recommended storage conditions.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Ethanol
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: 10470 mg/kg bw Animal test species: Rat
	Effect tested: LD50 Route of exposure: Dermal Value: 17100 mg/kg bw

	<p>Animal test species: Rabbit</p> <p>Effect tested: LC50</p> <p>Route of exposure: Inhalation.</p> <p>Duration: 4 hour(s)</p> <p>Value: 124,7 mg/l</p> <p>Animal test species: Rat</p>
Substance	Propan-2-ol
Acute toxicity	<p>Type of toxicity: Acute</p> <p>Effect tested: LC50</p> <p>Route of exposure: Inhalation.</p> <p>Value: > 10000 ppm</p> <p>Animal test species: Rat</p> <p>Type of toxicity: Acute</p> <p>Effect tested: LD50</p> <p>Route of exposure: Dermal</p> <p>Value: 16,4 ml/kg bw</p> <p>Animal test species: Rabbit</p> <p>Type of toxicity: Acute</p> <p>Effect tested: LD50</p> <p>Route of exposure: Oral</p> <p>Value: 5,84 mg/kg bw</p> <p>Animal test species: Rat</p>
Substance	Butane
Acute toxicity	<p>Type of toxicity: Acute</p> <p>Effect tested: LC50</p> <p>Route of exposure: Inhalation.</p> <p>Duration: 2 h</p> <p>Value: 1237 mg/L air</p> <p>Animal test species: Mouse</p>
Substance	Propane
Acute toxicity	<p>Type of toxicity: Acute</p> <p>Effect tested: LC50</p> <p>Route of exposure: Inhalation.</p> <p>Duration: 2 h</p> <p>Value: 1237 mg/L air</p> <p>Animal test species: Mouse</p>
Substance	Isobutane
Acute toxicity	<p>Type of toxicity: Acute</p> <p>Effect tested: LC50</p> <p>Route of exposure: Inhalation.</p> <p>Duration: 2 h</p> <p>Value: 1237 mg/L air</p> <p>Animal test species: Mouse</p>

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of skin corrosion / irritation, classification	May cause slight irritation.
Assessment of eye damage or irritation, classification	Irritating to eyes. Causes a burning sensation and tearing.
Assessment of respiratory sensitisation, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of skin sensitisation, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of germ cell mutagenicity, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of carcinogenicity, classification	The product contains C.I. Basic Violet 3 which is suspected of causing cancer.
Assessment of reproductive toxicity, classification	Based on existing data, the classification criteria are deemed not to have been met.
Assessment of specific target organ SE, classification	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.
Assessment of specific target organ toxicity RE, classification	Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.
Assessment of aspiration hazard, classification	Based on existing data, the classification criteria are deemed not to have been met.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Ethanol
Acute aquatic, fish	Value: 15300 mg/l Effect dose concentration : LC50 Test duration: 96 hour(s) Species: Pimephales promelas
Substance	Propan-2-ol
Acute aquatic, fish	Value: 10000 mg/L Test duration: 96 h Method: LC50
Substance	Butane
Acute aquatic, fish	Value: 24,11 - 147,54 mg/L Test duration: 96 h Method: LC50
Substance	Propane
Acute aquatic, fish	Value: 27,98 mg/L Test duration: 96 h Method: LC50

Substance	Isobutane
Acute aquatic, fish	Value: 24,11 - 147,54 mg/L Test duration: 96 h Method: LC50
Substance	Ethanol
Acute aquatic, algae	Value: 275 mg/l Effect dose concentration : EC50 Test duration: 96 hour(s) Species: Chlorella vulgaris
Substance	Butane
Acute aquatic, algae	Value: 7,71 - 19,37 mg/L Test duration: 96 h Method: EC50
Substance	Propane
Acute aquatic, algae	Value: 7,71 mg/L Test duration: 48 h Method: EC50
Substance	Isobutane
Acute aquatic, algae	Value: 7,71 - 19,37 mg/L Test duration: 96 h Method: EC50
Substance	C.I. Basic Violet 3
Acute aquatic, algae	Value: 0,025 - 0,8 mg/L Test duration: 72 h Method: EC50
Substance	Ethanol
Acute aquatic, Daphnia	Value: 12340 mg/l Effect dose concentration : EC50 Test duration: 48 hour(s) Species: Daphnia magna
Substance	Propan-2-ol
Acute aquatic, Daphnia	Value: > 10000 mg/L Test duration: 24 h Method: LC50
Substance	Butane
Acute aquatic, Daphnia	Value: 14,22 - 69,43 mg/L Test duration: 48 h Method: LC50
Substance	Propane
Acute aquatic, Daphnia	Value: 14,22 mg/L Test duration: LC50 Method: Daphnia
Substance	Isobutane

Acute aquatic, Daphnia	Value: 14,22 - 69,43 mg/L Test duration: 48 h Method: LC50
Substance	C.I. Basic Violet 3
Acute aquatic, Daphnia	Value: 0,24 - 0,5 mg/L Test duration: 48 h Method: EC50

12.2. Persistence and degradability

Substance	Ethanol
Biodegradability	Value: 97 % Method: CO2 evolution Test period: 28 day(s)
Substance	Butane
Biodegradability	Value: 100 % Method: Biodegradation test, (predates, OECD test) Test period: 385,5 h
Substance	Propane
Biodegradability	Value: 100 % Method: Biodegradation test, predates, OECD test Test period: after 358,5 h
Substance	Isobutane
Biodegradability	Value: 100 % Method: Biodegradation test, predates, OECD test Test period: after 385,5 h
Substance	C.I. Basic Violet 3
Biodegradability	Value: 3,6 % Method: OECD Guideline 301 F Test period: 28 days
Persistence and degradability, comments	The product contains a non-biodegradable substance.

12.3. Bioaccumulative potential

Bioaccumulative potential	The product is not bioaccumulable.
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12.4. Mobility in soil

Mobility	Test data are not available.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	The mixture does not meet the criteria for PBT or vPvB.
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12.6. Other adverse effects

Other adverse effects, comments	Harmful to aquatic life with long lasting effects.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal

Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent to the municipal chemical waste collection facility with the specifications set out below.

Affaldsbeholdere skal mærkes med særlig etiket, med følgende tekst: "Indeholder et stof, der er omfattet af dansk arbejdsmiljøregulering med hensyn til kræftisiko". Bogstaverne skal være sort på gul bund. Størrelsen på etiketten skal være 2,5 cm (h) x 5 cm (b), og den skal anbringes synligt på hver affaldsbeholder.

EWC waste code

EWC waste code: 160504 gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste: Yes

National waste group

H/Z

SECTION 14: Transport information

Dangerous goods

Yes

14.1. UN number

ADR / RID / ADN

1950

IMDG

1950

ICAO / IATA

1950

14.2. UN proper shipping name

ADR / RID / ADN

AEROSOLS

IMDG

AEROSOLS

ICAO / IATA

AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID / ADN

2.1

IMDG

2.1

ICAO / IATA

2.1

14.4. Packing group

14.5. Environmental hazards

ADR / RID / ADN

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14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

IMDG / ICAO / IATA Other information

EmS

F-D, S-U

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

15.2. Chemical safety assessment

Chemical safety assessment performed

No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H302 Harmful if swallowed.
H318 Causes Serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Version

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