

Davidson Marking System® Blue Dye all sizes

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58, March 26, 2012 / Rules and Regulations



Davidson Marking System® Blue Dye all sizes Safety Data Sheet (SDS)

Item #s 1013-5, 1101-5, 1163-5, 3408-5 and included in Set Item #s 2407, 2406, 2401, 2403, 1207, 1007 and included in sample sets of dyes

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Date of Issue: 06/15/2015 Verification date: 06/15/2015 Version 1.0v1 Supersedes 06/01/2014

Bradley
Products, Inc.

Bradley Products, Inc. encourages safe handling of this product. To promote safe handling, each recipient should: 1) Notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this SDS and any other information regarding hazards or safety; 2) Furnish this same information to each of its customers for the product; and 3) Request its customers to notify their employees, customers and other users of the product of this information.

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

1.1. Product Identifier

Product form : Mixture
Product name : Davidson Marking System® Blue Dye all sizes
CAS No : Proprietary
Product Code : 1013-5, 1101-5, 1163-5, 3408-5 and included in Set Item #s 2407, 2406, 2401, 2403, 1207, 1007 and included in sample sets of dyes

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

Use of substance/mixture : Dispersion; Pigment Blue

1.3. Details of the supplier of the SDS (Safety Data Sheet)

Bradley Products, Inc.
1700 W 94th Str
Bloomington, MN 55431-1300 USA
T 800-325-7785 T 952-881-1430 F 952-881-1873
www.bradleyproducts.com / dms@bradleyproducts.com

1.4. Emergency telephone number

Emergency telephone number : Bradley Products 800-325-7785

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not a dangerous substance or mixture according to GHS (US).

2.2. Label elements

GHS-US labeling

No labeling applicable — not hazardous

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification (GHS-US)
Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200)			Acute Tox. 4 (Oral) H302
Does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II			

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet (SDS) to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : If INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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SECTION 5: Firefighting measures	
5.1.	Extinguishing media
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water spray. Foam. Dry chemical.
Unsuitable extinguishing media	: None known.
5.2.	Special hazards arising from the substance or mixture
Fire hazard	: Product is not flammable.
Explosion hazard	: Product is not explosive.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
5.3.	Advice for firefighters
Firefighting instructions	: Use cold water spray to cool fire-exposed containers to minimize risk of rupture.
Protection during firefighting	: Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.
SECTION 6: Accidental release measures	
6.1.	Personal precautions, protective equipment and emergency procedures
General measures	: Ventilate area. Evacuate area. Keep upwind. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).
6.1.1.	For non-emergency personnel
Protective equipment	: Wear protective equipment as described in Section 8.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2.	For emergency responders
Protective equipment	: For further information refer to section 8: "Exposure controls / personal protection"
6.2.	Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release into the environment.	
6.3.	Methods and material for containment and cleaning up
Methods for cleaning up	: Wear suitable protective clothing. Soak up residue with an absorbent such as clay, sand or other suitable material. Product may create slip hazard.
6.4.	Reference to other sections
See Heading 8	: Exposure controls and personal protection.
SECTION 7: Handling and storage	
7.1.	Precautions for safe handling
Precautions for safe handling	: Wear personal protective equipment. Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2.	Conditions for safe storage, including any incompatibilities
Storage conditions	: Store in well-ventilated place. Keep container tightly closed.
7.3.	Specific end use(s)
No additional information available	
SECTION 8: Exposure controls / personal protection	
8.1.	Control parameters
8.2.	Exposure controls
Appropriate engineering controls	: Provide adequate general and local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	: Protective clothing. Protective goggles. Gloves.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear clothing to minimize bodily exposure.
Respiratory protection	: Wear approved mask.
Other Information	: When using, do not eat, drink, or smoke.
  	
SECTION 9: Physical and chemical properties	
9.1.	Information on basic physical and chemical properties
Physical state	: liquid
Appearance	: blue liquid
Color	: blue
Odor	: none
Odor threshold	: no data available
pH	: Neutral
Relative evaporation rate (butyl acetate-1)	: similar to water
Melting point	: no data available
Freezing point	: 0°C (32°F)
Boiling point	: 100°C (212°F)
Flash point	: no data available
Self ignition temperature	: no data available
Decomposition temperature	: no data available
Flammability (solid, gas)	: no data available
Vapor pressure	: 19.8 mm Hg at 22°C
Relative vapor density at 20°C	: 1 Air = 1
Relative density	: 1
Density	: 1.19 - 1.37 g/ml
Solubility	: water miscible
Log Pow	: no data available

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Log Kow	: no data available
Viscosity, kinematic	: no data available
Viscosity, dynamic	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available
Explosive limits	: no data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Not additional information available

10.4. Conditions to avoid

Not additional information available

10.5. Incompatible materials

Strong oxidizing agents. Mineral acids. Strong alkalis.

10.6. Hazardous decomposition products

May emit toxic fumes if mixed with strong acids.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion / irritation : Not classified

: pH: Neutral

Serious eye damage / irritation : Not classified

: pH: Neutral

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

: May cause respiratory irritation.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/state and national regulations.

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.

SECTION 14: Transport Information

In accordance with ADR / RID / IMDG / IATA / AND

14.1. UN number

Not hazardous for transport.

14.2. UN proper shipping name

US Dept of Transportation (DOT) : Not regulated

ADR : Not regulated

IMDG : Not regulated

IATA : Not regulated

AND : Not regulated

RID : Not regulated

14.3. Transport Hazard Classes and Additional Information

ADR Transport hazard classes (ADR) : Not regulated

IMDG Transport hazard classes (IMDG) : Not regulated

IATA Transport hazard classes (IATA) : Not regulated

ADN Transport hazard classes (ADN) : Not regulated

RID Transport hazard classes (RID) : Not regulated

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Other information	: No supplementary information available
14.4. Packing Group	
Packing Group (ADR)	: Not regulated
Packing Group (IMDG)	: Not regulated
Packing Group (IATA)	: Not regulated
Packing Group (ADN)	: Not regulated
Packing Group (RID)	: Not regulated
14.5. Environmental Hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
Overland Transport	
No data available	
Transport by sea	
No data available	
Air transport	
No data available	
Inland waterway transport	
Not subject to AND	: No
Rail Transport	
Carriage prohibited (RID)	: No
14.7. Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code	
Not applicable	: No
SECTION 15: Regulatory information	
15.1 US Federal regulations	
Davidson Marking System® Blue Dye (all sizes) (proprietary)	
TSCA	: All components of this product are listed or are exempt.
SARA 311, 312, 313	: This product does not contain any chemicals which are subject to the reporting requirement of the Act and Title 40 of the Code of Federal Regulations, Part 372. All hazard categories are negative.
Clean Water Act	: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).
Clean Air Act	: This product contains no hazardous air pollutants.
CERCLA	: This product does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).
15.2 International Regulations	
International Inventories	
TSCA (US Toxic Substances Control Act Sect 8(b) Inventory)	: Listed
EINECS/ELINCS (European Inventory of Existing Commercial Chemical Substances / EU List of Notified Chemical Substances)	: Listed
DSL (Canadian Domestic Substances List)	: Listed
NDSL (Canadian Non-Domestic Substances List)	: not determined
PICCS (Philippines Inventory of Chemicals and Chemical Substances)	: Listed
ENCS (Japan Existing and New Chemical Substances)	: Listed
IECSC (China Inventory of Existing Chemical Substances)	: Listed
AICS (Australian Inventory of Chemical Substances)	: Listed
KECL (Korean Existing and Evaluated Chemical Substances)	: Listed
NZIoC (New Zealand Inventory of Chemicals)	: not determined
Canada	
Davidson Marking System® Blue Dye (all sizes) (proprietary)	
Components listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Note: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR. AND WHMIS Hazard Class: Non-controlled.	
EU-Regulations	
Contains no substances with Annex XVII restrictions.	
Contains no substance on the REACH candidate list.	
Contains no REACH Annex XIV substances.	
Germany	
VwVwS Annex reference	: Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12.BImSchV (Hazardous Incident Ordinance)
Denmark	
Recommendations Danish Regulation	: Pregnant/breastfeeding women working with the product must not be in direct contact with the product.
REACH Registration	
All relative steps have been taken to ensure REACH-Compliance.	
Restrictions - REACH Title VIII	

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No information available.

15.2.1 Chemical Safety Assessment
No additional information available.

15.3. US State regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

SECTION 16: Other information

Indication of changes	: Revision 1.0: New SDS Created 06/15/2015
Other information	: Author EKW.
NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Davidson Marking System® Blue Dye	
HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	H



Health	: 1
Flammability	: 0 Materials that are normally stable, even under fire conditions and will NOT react with water, polymerize, decompose, condense or self-react. Non-Explosives.
Physical	: 0 Materials that are normally stable, even under fire conditions and will NOT react with water, polymerize, decompose, condense or self-react. Non-Explosives.
Personal Protection	

SDS US (GHS HazCom 2012) - HMIS (ver 3)

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