

## SAFETY DATA SHEET

## Section 1

## Product and Company Identification

Product Name:	Blue Demon Paint Markers
Product Code(s):	<p>PA20600:(Mixed Color Box), PA20601:(Brown), PA20602:(Violet), PA20603:(White), PA20604:(Yellow), PA20605:(Red), PA20606:(Black), PA20607:(Orange), PA20608:(Blue), PA20609:(Green), PA20610:(Lt. Green), PA20611:(Pink), PA20612:(Aluminum), PA20613:(Lt. Blue)</p> <p>PA30600:(Mixed Color Box), PA30601:(Brown), PA30602:(Violet), PA30603:(White), PA30604:(Yellow), PA30605:(Red), PA30606:(Black), PA30607:(Orange), PA30608:(Blue), PA30609:(Green), PA30610:(Lt. Green), PA30611:(Pink), PA30612:(Aluminum), PA30613:(Lt. Blue)</p> <p>PAF0600:(Mixed Color Box), PAF0601:(Brown), PAF0602:(Violet), PAF0603:(White), PAF0604:(Yellow), PAF0605:(Red), PAF0606:(Black), PAF0607:(Orange), PAF0608:(Blue), PAF0609:(Green), PAF0610:(Lt. Green), PAF0611:(Pink), PAF0612:(Aluminum), PAF0613:(Lt. Blue)</p> <p>PSF0600:(Mixed Color Box), PSF0601:(Brown), PSF0602:(Violet), PSF0603:(White), PSF0604:(Yellow), PSF0605:(Red), PSF0606:(Black), PSF0607:(Orange), PSF0608:(Blue), PSF0609:(Green), PSF0610:(Lt. Green), PSF0611:(Pink), PSF0612:(Aluminum), PSF0613:(Lt. Blue)</p>
Recommended Use:	Liquid paint markers for a wide variety of surfaces.
Supplier:	<p>Welding Material Sales  3940 Stern Ave  St. Charles IL 60174  <a href="mailto:sales@weldingmaterialsales.com">E-mail: sales@weldingmaterialsales.com</a></p>
Phone Number:	630-232-6421
Fax:	888-733-1512
Emergency Phone Number	1-800-424-9300

<b>Section 2</b>	<b>Hazardous Identification</b>
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2.1 Classification	These products are not classified as hazardous during normal, intended product use as defined by 16 CFR 1500.3 of the Federal Hazardous Substances Act (FHSA) and as such does not require acute or chronic hazard labeling. Normal usage is that of a liquid paint marker. Misuse of these products may result in exposure to hazardous chemicals.
2.2 Label Elements	Liquid paint markers are articles as defined by the OSHA Hazard communication Standard 2012 (29 CFR 1910.1200), and as such do not require to be labeled acute or chronic hazardous defined by 16 CFR 1500.3 of the Federal Hazardous Substances Act (FHSA).
2.3 Other Hazards	None Known
2.4 Other Hazards Classification	None Known

<b>Section 3</b>	<b>Composition / Information on Ingredients</b>
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Chemical Name	CAS NO.	Weight %	GHS Classifications
Propyl Alcohol	71-23-8	30-70	Flam. Liq., Cat. 3, H225, H316, H318, H333, H336
Titanium Dioxide	13463-67-7	10-20	Not a hazardous substance or mixture according to GHS standards.
Pigment Yellow 83	5567-15-7	0-10	Not a hazardous substance or mixture according to GHS standards.
C.I. Pigment Red 3	2425-85-6	0-7	Not a hazardous substance or mixture according to GHS standards.
Carbon Black	1333-86-4	0-5	Carc., Cat. 2, H351
C.I. Pigment Blue 15	147-14-8	0-5	Not a hazardous substance or mixture according to GHS standards.
Ci 51319	6358-30-1	0-3	Not a hazardous substance or mixture according to GHS standards.
Silicon Dioxide	7631-86-9	1-3	Not a hazardous substance or

			mixture according to GHS standards.
Silica, Amorphous, Fumed, Crystal-Free	112945-52-5	0-2	Carc., Cat. 1A, H332, H319, H335
Propylene Glycol Monomethyl Ether Acetate	108-65-6	0.1-1.0	Flam. Liq., Cat. 3, H226
n-Butyl Acetate	123-86-4	0.1-1.0	Flam. Liq., Cat. 3, H226, H336
Dipropylene Glycol Monomethyl Ether	34590-94-8	0.1-1.0	Flam. Liq., Cat. 4, H227, H320
Copper, [29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32]-, Chlorinated	68987-63-3	0.1-1.0	Carc., Cat. 2B,
Copper	7440-50-8	0.1-1.0	Flam. Sol. Cat. 2, H228, H251, H319, H335
n-Butyl Alcohol	71-36-3	<0.1	Flam. Liq., Cat. 3, H226, H302, H315, H318, H335, H336
Sodium Bisulfite	7631-90-5	<0.1	H302

<b>Section 4</b>	<b>First Aid Measures</b>
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4.1	Description of First Aid Measures:	
	General Advice:	If you feel unwell, seek medical attention.
	Eye Contact:	Immediately following eye contact, flush eyes with plenty of water gently.
	Skin Contact:	Rinse skin with water. Seek medical attention if irritation occurs.
	Inhalation:	Immediately move outdoors to fresh air. Seek medical attention if experiencing respiratory symptoms.
	Ingestion:	Do not induce vomiting. Seek medical attention if feeling unwell.
4.2	Most Important Symptoms and Effects Both Acute and Delayed:	
	Unknown	
	Notes to Physician:	Treat symptomatically

Section 5	Fire Fighting Measures
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5.1 Suitable Extinguishing Media:	Use appropriate measures specific to your circumstantial and environmental situation including, but not limited to: For Small Fires: Use Dry Chemicals, Carbon Dioxide, Appropriate Foam or Inert Gas ( Nitrogen) For Large Fires: Use Appropriate Foam, Water Fog, or Water Spray. Water can be used to cool fire-exposed containers
Unsuitable Extinguishing Media:	None Known.
5.2 Special Hazards Arising from the Chemical:	The small volume of paint contained within the markers is a flammable liquid, Cat. 2. though not readily ignited.
5.3 Explosion Data:	No sensitivity to mechanical impact or static discharge. Flashpoint 13 <sup>o</sup> C (55 <sup>o</sup> F)
Protective Equipment:	As for fighting any fire, wear protective clothing and positive pressure self-contained breathing apparatus.
Firefighter Precautions:	Move to a safe distance and remove all sources of ignition.

Section 6	Accidental Release Measures
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6.1 Personal Precautions, Protective Equipment And Emergency Procedures:	Do not breathe in vapors. Move to a safe distance. Remove all sources of ignition and ventilate the area once extinguished.
6.2 Environmental Precautions:	Avoid release to the environment, sewers, pipes and waterways.
6.3 Methods and Material for Containment and Cleaning Up:	Stop the spill if it is safe to do so. Absorb any spilled liquid using dry earth, sand or non-combustible absorbent material and transfer to appropriate covered and labeled waste container. See Section 12.
6.4 Additional Information:	See section 8 for personal protective equipment. See section 12 and 13 for Ecological information and disposal.

<b>Section 7</b>	<b>Handling and Storage</b>
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7.1 Precautions for Safe Handling:	For industrial use. Keep away from children. Keep away from open flames, hot surfaces, and sources of ignition. Keep away from open flames, hot surfaces, and sources of ignition.
7.2 Conditions for Safe Storage, Including Any Incompatibilities:	Store below 50°C (122°F)

<b>Section 8</b>	<b>Exposure Controls/Personal Protection</b>
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8.1 Exposure Control Measures:	When used as intended, this product does not contain hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	
8.2 Engineering Control Measures:	Not required under normal use conditions.	
8.3 Individual Protection Measures:	Eye/Face Protection:	Not required under normal use.
	Skin Protection:	Not required under normal use.
	Respiratory Protection:	Not required under normal use.
	Hygiene Measures:	Not required under normal use.

<b>Section 9</b>	<b>Physical and Chemical Properties</b>
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9.1 Information on Basic Physical and Chemical Properties:		
Property:	Values:	Remarks:
Appearance	Liquid	None
Odor	Mild Alcohol Odor	None
Odor Threshold	Not Available	None
pH	Not Available	None
Melting/Freezing Point	Not Available	None
Boiling Point	96°C / 205°F	None
Property:	Values:	Remarks:

Flash Point	23°C / 73°F	None
Auto-ignition Temperature	Not Available	None
Flammability Upper/Lower Limits in Air	13.5% / 2.1%	None
Explosive Properties	Not Available	None
Oxidizing Properties	Not Available	None
Flammable Properties	Flammable	None
Vapor Pressure	Not Available	None
Vapor Density	Not Available	None
Viscosity	Not Available	None
Specific Gravity	Not Available	None
Water Solubility	Not Available	None
Solubility in Other Solvents	Not Available	None
Partition Coefficient: n-octane/water	Not Available	None
VOC Content (%)	Not Available	None
Decomposition Temperature	Not Available	None

Section 10	Stability and Reactivity
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10.1 Reactivity:	Not Available.
10.2 Chemical Stability:	Stable under recommended storage conditions.
10.3 Possibility of Hazardous Reactions:	None under normal use.
10.4 Conditions to Avoid:	Do not use in conditions near open flames or sources of ignition.
10.5 Incompatible Materials:	Not Available.
10.6 Hazardous Decomposition Products:	Thermal decomposition can lead to release of irritating gasses and vapors.

Section 11	Toxicological Information
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11.1	Information regarding likely exposure routes:
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	Acute Health Effects:	Products do not present known acute toxicity hazard.
	Inhalation:	None under normal use.
	Eye Contact:	None under normal use.
	Skin Contact:	None under normal use.
	Ingestion:	None under normal use.

11.2	Symptoms Related to Physical, Chemical and Toxicological Characteristics:
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	Symptoms:	None under normal use.
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11.3	Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure:
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	Sensitization:	Not Available.
	Mutagenic Effects:	Not Available.
	Carcinogenicity:	This product contains TiO <sub>2</sub> which is classified as a possible carcinogen when present as a respirable dust which is not relevant for this product since it is a liquid. This product contains Carbon Black which is classified as a possible carcinogen when present as a respirable dust. This is not relevant for this product since it is not in a respirable form.

Chemical Name:	ACGIH:	IARC:	NTP:	OSHA:
TiO <sub>2</sub>		Group 2B		X
Carbon Black	A3	Group 2B		X
Ci Red 3		Group 3		
SiO <sub>2</sub>		Group 3		
HNaO4S		Group 3		

	ACGIH: (American Conference of Governmental Industrial Hygienists)
	A3- Animal Carcinogen
	IARC: (International Agency for Research on Cancer)
	Group 2B- Possibly Carcinogenic to Humans
Reproductive Toxicity:	Not Available.
STOT – Single Exposure:	Not Available.
STOT – Repeated Exposure:	Not Available.
Aspiration Hazard:	Not Available.

**11.4**  
 Numeric Measures of Toxicity – Product *\*Values calculated based on chapter 3.1 of the GHS Document*

LD50 Oral:	1747 mg/kg; <i>Acute Toxicity Estimate</i>
LD50 Dermal:	3787 mg/kg; <i>Acute Toxicity Estimate</i>

Numeric Measures of Toxicity – Product Components			
Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propyl Alcohol	=1870 mg/kg (rat)	=4049 mg/kg(rabbit)	>13548 ppm (rat) 4h
TiO <sub>2</sub>	.10000 mg/kg (rat)		.6820 mg/m <sup>3</sup>
Carbon Black		.3 g/kg (rabbit)	

**Section 12** **Ecological Information**

<b>12.1</b> Ecotoxicity Product:	Not Applicable
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Numeric Measures of Ecotoxicity – Components:				
Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (water flea)
Propyl Alcohol		LC50 96 h:=4480 mg/L	EC50 = 17700 mg/L 5 min	EC50 48 H: = 3642 mg/L



71-23-8		Flow-through	EC50 = 45000 mg/L 5 h EC50 = 8686 mg/L 15 min EC50 = 980 mg/L 12 h	3339 – 3977 mg/L Static
12.2	Persistence and Degradability:	Not Available		
12.3	Bioaccumulation:	Not Available		
12.4	Mobility in Soil:	Not Available		

<b>Section 13</b>	<b>Disposal Considerations</b>
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13.1 Waste Disposal Methods:
Dispose in accordance with local, state/provincial and federal laws and regulations.
The conditions of use, storage and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, Welding Material Sales, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

<b>Section 14</b>	<b>Transportation Information</b>
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14.1 UN Number:	UN1210
14.2 UN Proper Shipping Name:	Printing Ink
14.3 Transport Hazard Class(es):	3
14.4 Packing Group, if applicable:	III
14.5 Environmental Hazards:	None Known.

14.6 Transport in Bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	This product conforms to 49 CFR 173.4 for domestic highway or rail transport only. Conforms to 49 CFR 173.4a expected quantity of Class 3 Flammable Liquid.
14.7 Special Precautions, which a user needs to be aware of, or needs to comply with, in connection with the transport or conveyance within or outside their premises.	DOT Emergency Response Number: 129 IATA ERG Code: 3L IMDG/IMO EmS No.: 3L RID Classification Code: F1 ADR Classification Code: F1 ADN Limited Quantity: 5 L ADN Ventilation: VE01

<b>Section 15</b>	<b>Regulatory Information</b>
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15.1 Safety, Health and Environmental Regulations Specific for Products:	
OSHA:	Article, Non-Hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.120 (2012)
TSCA- United States Toxic Substances Control Act Section 8(b) Inventory:	Complies
DSL/NDSL Canadian Domestic Substances List/non-Domestic Substances List:	Complies
SARA Title III Section 311/312 Hazard Categories: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.	
Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	Yes
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No
California Prop 65:	Not Applicable.
WHMIS Classification:	Manufactured Article, Not Controlled.
CLP Regulations:	This article is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.
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).
CERCLA:	This material, as supplies 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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.	
U.S. State Right-to-Know Regulations:	This product does not contain any substances above threshold limits that are regulated by state right-to-know.	
U.S. EPA Label Information:	EPA Pesticide Registration Number:	Not Applicable

<b>Section 16</b>	<b>Other Information Including Information on SDS Preparation and Revision</b>
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16.1 NFPA:	Health Hazard: 0	Flammability: 2	Instability: 0	Physical and Chemical Hazards: Not Applicable
16.2 HMIS:	Health Hazard: 0	Flammability: 2	Physical Hazard: 0	Personal Protection: Not Applicable
16.3 Supplier Note:				
<p>The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Welding Material Sales, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Welding Material Sales, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information contained herein.</p>				