

Absorbit Teal Blue

Packaging: 4-ounce jar (113 grams)

Version number: GHS 1.0

Date of compilation: 10/09/2015

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

- 1.1 Product identifier**
 Trade name **Absorbit Teal Blue**
Other means of identification
 Item code(s) AS42 / DDMTL
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Identified uses Flower Dye
 Industrial use
 Professional use
 Uses advised against Not for use with foodstuffs, pharmaceutical products or cosmetics.
 This product is intended for professional use only; not for private (household) use.
- 1.3 Details of the supplier of the safety data sheet**
Marketed by:
 Design Master color tool, inc.
 P.O. Box 601 Boulder, CO 80306 United States

 Telephone: 800.525.2644
 Normal business hours: Monday - Friday, 0800 - 1700 Mountain Time
 e-mail: info@dmcolor.com
 Website: www.dmcolor.com
- 1.4 Emergency telephone number**
 Emergency information service **303.623.5716**

SECTION 2: Hazards identification

- 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**
Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard statement
A.3	Serious eye damage/eye irritation	Cat. 2	H319

Remarks

This product is supplied in a small quantity which does not constitute a combustible dust hazard. The physical properties of this material indicate that in large quantities accumulated dust may be hazardous. For full text of H-phrases: see SECTION 16.

- 2.2 LABEL ELEMENTS**
Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Signal word

Warning

Pictograms

GHS07



Hazard statements

Hazard statements	
Code	Hazard statement
H319	Causes serious eye irritation

Precautionary statements**Precautionary statements - prevention**

Code	Precautionary statements - prevention
P261	Avoid breathing dust
P264	Wash thoroughly after handling
P273	Avoid release to the environment
P280	Wear protective gloves/clothing, eye protection and respiratory protection (dust mask).

Precautionary statements - response

Code	Precautionary statements - response
P301	IF SWALLOWED: Rinse mouth with water (only if the person is conscious). Get medical attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313	If eye irritation persists: Get medical advice/attention

Precautionary statements - storage

Code	Precautionary statements - storage
P402+P404	Store in a dry place. Store in a closed container.

Precautionary statements - disposal

Code	Precautionary statements - disposal
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3**Other hazards**

Dermal contact may color the skin due to dye characteristics. Accidental ingestion may cause irritation in the digestive tract. Prolonged or repeated contact may irritate the skin, causing dermatitis in sensitive individuals.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not relevant (mixture)

3.2 Mixtures**Description of the mixture**

The exact concentrations of ingredients are considered proprietary and are being withheld as a Trade Secret in accordance with paragraph (i) of §1910.1200. In addition, there is batch-to-batch variability in ingredient concentrations.

Hazardous ingredients acc. to GHS				
Name of substance	Identifier	Wt%	Hazard class and category	Hazard statement
C.I. Acid Blue 9	CAS No 3844-45-9	27.6 - 37	B,cD Comb. Dust	OSHA003
C.I. Acid Yellow 23	CAS No 1934-21-0	4 - 6	B,cD Comb. Dust	OSHA003

Hazardous ingredients acc. to GHS				
Name of substance	Identifier	Wt%	Hazard class and category	Hazard statement
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	CAS No 68081-81-2	1 - < 3	B.cD Comb. Dust A.1O Acute Tox. 4 A.2 Skin Irrit. 2 A.3 Eye Dam. 1	OSHA003 H302 H315 H318

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 DESCRIPTION OF FIRST AID MEASURES

General notes

Remove contaminated clothing and launder before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

If affected, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.

Following skin contact

Wash the affected area thoroughly with soap and water. Get medical attention if symptoms occur.

Following eye contact

Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. Get medical attention.

Following ingestion

Rinse mouth with water (only if the person is conscious). Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Individuals with pre-existing skin disorders, eye problems or impaired respiratory function may be more susceptible to the effects of this substance.

4.3 Indication of any immediate medical attention and special treatment needed

In case of any adverse symptoms following exposure, seek medical attention.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam, Water, ABC-powder

Unsuitable extinguishing media

Water jet, avoid any method which will create dust clouds.

5.2 Special hazards arising from the substance or mixture

Concentrated dust/air combinations may produce explosive conditions. As with all organic dusts, fine particles suspended in air in critical proportions and in the presence of an ignition source may ignite and/or explode. Dust may be sensitive to ignition by electrostatic discharge, electrical arcs, sparks, welding torches, cigarettes, open flame, or other significant heat sources. As a precaution, implement standard safety measures for handling finely divided organic powders. .

5.2.1 Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂), oxides of sulfur (SO_x)

5.3 Advice for firefighters

Avoid hose streams or any method which will create dust clouds. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

Special protective equipment for firefighters

Boots. Footwear protecting against chemicals. Chemical resistant gloves. Chemical protection suit. Eye and face protection. Self-contained breathing apparatus (SCBA).

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate. Avoid raising powdered material due to explosion hazard. Use spark-proof and explosion-proof equipment. If inhalation of dust cannot be avoided, wear an approved particulate respirator. Personal Protective Equipment must be worn.

6.2 Environmental precautions

Prevent spilled material from entering public sewer systems, rivers, lakes, streams and other surface waters. Retain all contaminated materials and rinse water and dispose of according to any applicable Federal, State or Local laws.

6.3 Methods and material for containment and cleaning up**Advices on how to contain a spill**

Contain spill. Wear proper personal protective clothing and equipment. Use care to avoid dust generation. Vacuum or sweep into a closed container for reuse or disposal. If vacuuming, use only an approved industrial vacuum. Place recovered waste into labeled, closed container(s). Store in a safe location to await disposal. Change contaminated clothing and launder before re-use.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Recommendations****Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Handle carefully to avoid dust formation.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Protect from light.

Ventilation requirements

Use local and general ventilation.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****National limit values****Occupational exposure limit values (Workplace Exposure Limits)**

Country	Name of agent	CAS No	Notation	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Source
US	particulates not otherwise regulated (PNOR)		i dust	PEL	1,766	15			29 CFR OSHA
US	particulates not otherwise regulated (PNOR)		partml r dust	PEL	529.5	5			29 CFR OSHA

Notation

dust As dust.
i Inhalable fraction.
partml Particles/ml.
r Respirable fraction.
STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified.
TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average.

Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

8.2 Exposure controls
Individual protection measures (personal protective equipment)**Eye/face protection**

Work with safety glasses.

Skin protection**• Hand protection**

Wear protective gloves.

• Other protection measures

Use good laboratory/workplace procedures including personal protective clothing such as shoe covers, boots, lab coat, or apron. During prolonged use or when handling larger quantities protective coveralls with hoods are recommended. Eyewash fountains and safety showers are recommended in the work area.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. If inhalation of dust or mist cannot be avoided, wear an approved particulate respirator. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	solid (powder)
Colour	dark blue
Odour	slight

Other physical and chemical parameters

pH (value)	
Melting point/freezing point	not determined
Initial boiling point and boiling range	870 °C
Flash point	not applicable
Evaporation rate	not determined
Flammability (solid, gas)	
Explosion limits of dust clouds	not determined
Vapour pressure	not determined
Density	not determined
Bulk density	0.55 - 0.7 g/cm ³
Relative density	Information on this property is not available.
Solubility(ies)	
Water solubility	easily soluble (>1 g/l)
Partition coefficient n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	>400 °C
Viscosity	not relevant (solid matter)
Explosive properties	none
Oxidising properties	none

9.2 Other information

Solvent content	0.06 %
Solid content	99.94 %

SECTION 10: Stability and reactivity**10.1 Reactivity**

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Avoid conditions that create dust.

10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Test data are not available for the complete mixture.

11.1.1 Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

11.1.3 Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**Acute toxicity**

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	oral	1,080

Name of substance	CAS No	Exposure route	Endpoint	Value	Species	Source
C.I. Acid Blue 9	3844-45-9	oral	LD50	>2000 mg/kg	rat	EFSA Journal 2010;8(11):1853 Page 16
C.I. Acid Blue 9	3844-45-9	dermal	LD50	>5000 mg/kg	mouse	BASF AG 1982 c.
C.I. Acid Yellow 23	1934-21-0	oral	LD50	12750 mg/kg	mouse	Ref 1: EFSA Scientific Opinion on Re-evaluation of Tartrazine, 2009; NIHS, 1964,
C.I. Acid Yellow 23	1934-21-0	oral	LD50	>2000 mg/kg	rat	Ref 1 (EFSA); Sasaki et al., 2002
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	oral	LD50	1080 mg/kg	rat	Pilot Chemical SDS Calsoft F-90 04-16-2015
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	dermal	LD50	>2000 mg/kg	rat	Pilot Chemical SDS Calsoft F-90 04-16-2015

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

- IARC Monographs None of the ingredients are listed

Name of substance	Name acc. to inventory	CAS No	Classification	Number
C.I. Acid Blue 9	Brilliant Blue FCF, disodium salt	3844-45-9	3	Volume 16, Sup 7

Legend

3 Not classifiable as to carcinogenicity in humans.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Information on likely routes of exposure

Inhalation. Ingestion. Dermal (skin contact). Eye contact.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity (acute)**

Harmful to aquatic life with long lasting effects. This product is a mixture and the toxicity has not been evaluated as a whole.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
C.I. Acid Blue 9	3844-45-9		4.94	
C.I. Acid Yellow 23	1934-21-0		-10.17	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

- | | | |
|-------------|---|--|
| 14.1 | UN number | Not Dangerous Goods. Not regulated by US DOT / IATA.
(Not subject to transport regulations) |
| 14.2 | UN proper shipping name | Not relevant |
| 14.3 | Transport hazard class(es)
Class | None
- |
| 14.4 | Packing group | Not relevant |
| 14.5 | Environmental hazards | None (Non-environmentally hazardous acc. to the dangerous goods regulations) |
| 14.6 | Special precautions for user
There is no additional information. | |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | |

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****NATIONAL REGULATIONS (UNITED STATES)**

Toxic Substance Control Act (TSCA): All ingredients are listed. This product is not subject to TSCA 12(B) Export Regulations.

SARA TITLE III (Superfund Amendment and Reauthorization Act)

List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302):

None of the ingredients are listed

Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313):

None of the ingredients are listed

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

Section 102(A) Hazardous Substances (40 CFR 302.4):

None of the ingredients are listed

Industry or sector specific available guidance(s)**NPCA-HMIS® III**

Hazardous Materials Identification System (American Coatings Association)

Category	Rating	Description
Chronic	/	None.
Health	2	Temporary or minor injury may occur.
Flammability	1	Material that must be preheated before ignition can occur.
Physical hazard	0	Material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive.
Personal protective equipment	F	Safety glasses, gloves, synthetic apron, anti-dust respirator.

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)

Category	Degree of hazard	Description
Flammability	1	Material that must be preheated before ignition can occur.
Health	1	Material that, under emergency conditions, can cause significant irritation.
Instability	0	Material that is normally stable, even under fire conditions.
Special hazard		

**Right to Know Hazardous Substance List
Proposition 65 List of chemicals**

None of the ingredients are listed
None of the ingredients are listed

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR OSHA	29 CFR §1910.1001 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
Acute Tox.	acute toxicity
ATE	Acute Toxicity Estimate
BCF	BioConcentration Factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	chemical oxygen demand
Comb. Dust	combustible dust
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IARC Monographs	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
log KOW	n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA® 704	National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts per million
Skin Corr.	corrosive to skin
Skin Irrit.	irritant to skin
vPvB	very Persistent and very Bioaccumulative

Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)
- Hazardous Products Regulations (HPR)

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
OSHA003	May form combustible dust concentrations in air

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This Safety Data Sheet (SDS) cannot cover all possible situations which the user may experience during use of this product. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.