

Absorbit Larkspur 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 Larkspur Blue**
Other means of identification
 Item code(s) AS07 / DDMLB
- 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 | 34.8 - 46.62 | 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.10 Acute Tox. 4 A.2 Skin Irrit. 2 A.3 Eye Dam. 1 | OSHA003 H302 H315 H318 |
| Alkoxylated Fatty Alcohol | CAS No 68551-13-3 | 0.58 - 1.575 | A.3 Eye Irrit. 2A | H319 |

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 to 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 | not determined |
| 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 - 0.75 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 | 0.86 % |
| Solid content | 99.14 % |

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. |
| 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 |
| Alkoxyated Fatty Alcohol | 68551-13-3 | oral | LD10 | 3200 mg/kg | rat | Ref 1: NTIS** National Technical Information Service. (Springfield, VA 22161) Formerly U.S. Clearinghouse for Scientific & Technical Information. Volume(issue)/page/year: OTS0571072 |
| Alkoxyated Fatty Alcohol | 68551-13-3 | oral | LD50 | >1000 mg/kg | rabbit | Ref 1 |
| Alkoxyated Fatty Alcohol | 68551-13-3 | dermal | LD10 | 790 mg/kg | rabbit | Ref 1 |

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 | |

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 |

Disclaimer

As the conditions or methods of use are beyond our control, Design Master color tool, inc. does not assume any responsibility and expressly disclaims any liability for any use of this product. Information contained herein is believed to be true and accurate and is made in good faith but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

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.