

SAFETY DATA SHEET (SDS)


Basic Dye - Blue & Purple - Pg 1

Revision Date: 08/13/2020

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	BASIC DYE	
Product Number/Code:	015 BLUE & 011 PURPLE	
Recommended Use:	Colorant for multiple substrates	
Restrictions on use:	None known	
Emergency Number:	ChemTel, Inc. - Contract #MIS9128344 North America: 1-800-255-3924 International: 1-813-248-0585	

SECTION 2 - HAZARD(S) IDENTIFICATION

This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.		
Toxicological Data on Ingredients:		
Hazard Classification		
Physical Hazards:		
Health Hazards:	Eye Irritant	Category 2A
	Oral Toxicity	Category 5
Environmental Hazards:	Chronic Aquatic Toxicity	Category 2
Label Elements		
Pictogram:		
Signal Words:	Warning	
Hazard Statements-EU:	H319: Causes Serious Eye Irritation H411: Toxic to Aquatic Life with Long-Lasting Effects H303: May be Harmful if Swallowed	

Precautionary Statements-EU:	
Prevention:	P264: Wash face, hands, and any exposed skin thoroughly after handling. P280: Wear protective gloves/ protective clothing/eye protection/face protection. P270: Do not eat, drink, or smoke when using this product. P260: Do not breath dust/fume/gas/mist/vapors/spray. P273: Avoid release into the environment. P391: Collect spillage. Hazardous to the aquatic environment.
Response:	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/attention. P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P312 Call a POISON Center or doctor/physician if you feel unwell P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.
Storage:	No data available
Disposal:	No data available
Hazard(s) not otherwise classified:	No data available

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity	Content in percent (%)*	CAS #
Basic Blue 41 - Harmful if swallowed. - Irritating to eyes. - Harmful to aquatic organisms.	60.4%	26850-47-5
<i>The exact ingredient percentages and non-hazardous composition have been withheld as a trade secret.</i>		

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
General information:	Immediately remove all contaminated clothing.
In the event of skin contact:	Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
In the event of eye contact:	Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.
In the event of swallowing:	Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
In the event of exposure by inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.
Most important symptoms and effects, both acute and delayed:	The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11.
Indication of any symptoms and effects, both acute and delayed:	No data available

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	CO2, Dry Chemical Foam, Water, Fog
Special hazards arising from the substance or mixture:	Avoid dusting conditions. May form explosive dust mixtures with air.
Special fire fighting procedures/unusual fire or explosion hazards:	Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Methods and material for containment and clean up:	Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. Scrub spilled area with detergent, flush with copious amount of water. For further disposal measures see section 13.
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SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	In accord with good industrial practice, handle with care and avoid personal contact.
Conditions for safe storage, including any incompatibilities:	Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
Occupational exposure limits:	Use local ventilation. Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.
Appropriate engineering controls:	Handle with good industrial practices and industrial hygiene. Wash hands after use.
Individual protection measures, such as personal protective equipment:	
Eye/face protection:	Employees should wear protective eye-goggles with side protection shield.
Skin protection:	Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.
Other protective equipment:	Wear overalls, apron or other protective clothing.
Environmental exposure controls:	Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing
Respiratory protection:	Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	Powder
Color:	Ranges from blue to purple
Type of Odor:	None
Odor threshold:	N/A
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	N/A
Melting Point/Freezing Point:	No data available
Flammability Classification:	N/A
Flash Point:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/D
Flammability Limits (lower/upper):	No data available
Evaporation rate:	N/A
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Octanol/Water Partition Coefficient (log Pow):	N/D
Specific Gravity:	No data available
Bulk Density:	500 - 600 kg/m ³
Water Solubility:	40 g/l @ 90°C
pH:	No data available
Viscosity:	N/A
Explosive Properties:	N/A
Oxidizing Properties:	No data available
Molecular Formula:	No data available
Molecular Weight:	No data available
Relative Density:	N/A
UEL:	N/A
LEL:	N/A
% Volatile:	0.00

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Will not occur
Stability:	Stable
Possibility of hazardous reactions:	None expected. In the case of dusty organic products the possibility of a dust explosion should always be considered.
Conditions to avoid:	Avoid dusting conditions and sparks/flame.
Incompatible materials:	None
Hazardous decomposition products:	CO ₂ , CO, Sulfur Oxides, Nitrogen Oxides
Thermal decomposition:	No thermal decomposition when stored and handled correctly.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects:		
Acute toxicity (list all possible routes of exposure)		
Acute Oral Toxicity:	LD50 (Ingestion) > 2,000 mg/kg (Rat)	
Acute Inhalation Toxicity:	LC50 Fish: 10-100 mg/l (96 h, Brachydanio rerio)	
Skin Corrosion/Irritation:	Non-irritant (Rabbit)	
Serious Eye Damage / Eye Irritation:	Irritant (Rabbit Eye)	
Respiratory or Skin Sensitization:	Not expected	
Carcinogenicity (IARC, NTP, OSHA, ACGIH):	No	
Primary Routes of Exposure:	Inhalation:	Yes
	Skin Contact:	Yes
	Skin Absorption:	No
	Eye Contact:	Yes
	Ingestion:	No
Potential Health Effects:		
Chronic Effects of Overexposure:	Not known	
Signs and Symptoms of Overexposure:	Irritating to damaging to the eyes. May be irritating to the skin and respiratory tract. This product contains (Basic Blue) Oxazine dye. It may be toxic by ingestion based upon feeding studies done on rats.	
Medical Conditions Aggravated:	Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.	

SECTION 12 - ECOLOGICAL INFORMATION

Biodegradability:	< 10%
Daphnia Toxicity EC50:	1-10 mg/l (24h Daphnia magna)
Bacteria Toxicity EC0:	100 mg/l (Pseudomonas florescens) Growth inhibition test
AOX:	0.000%
COD:	1,075 mg/g

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
Container Disposal:	Soiled, empty containers are to be treated in the same way as the contents.

SECTION 14 - TRANSPORT INFORMATION

DOT:	
DOT Proper Shipping Description:	Not Regulated
IMDG:	
UN number:	UN 3077
UN proper shipping name:	Environmentally Hazardous Substance, Solid N.O.S (AZO Dye)
Hazard Class:	9
P.G.:	III
Marine Pollutant:	Yes
IATA:	
UN No:	Not Regulated

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:		
US Regulations		
TSCA:	The components of this product are listed on the TSCA Inventory.	
SARA 313:	This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.	
SARA 312:	Immediate (acute) health hazard:	Yes
	Delayed (chronic) health hazard:	No
	Fire hazard:	No
	Sudden Release of Pressure:	No
	Reactivity:	No
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.		
California Proposition 65:	This product does NOT contain any components currently on the California List of Known Carcinogens and reproductive Toxins.	

SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	2
Flammability:	I
Reactivity:	0
Personal Protection:	E
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

Disclaimer:

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

Revision Date: 08/13/2020

National Chemical Inventories:

All components of this product are listed on the following chemical substance inventories: TSCA (USA)

DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)



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Abbreviations:	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System