SAFETY DATA SHEET (SDS)

Revision Date: 08/24/2020

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	**BASIC DYE**	
Product Number/Code:	**017 TURQUOISE**	
Recommended Use:	Colorant for multiple substrates	
Synonym(s):	Oxazine	
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

Toxicological Data on Ingredients:		
Hazard Classification		
Physical Hazards:		
Health Hazards:	Eye Irritant	Category 2A
	Acute Toxicity, Inhalation	Category 4
	Oral Toxicity	Category 4
Environmental Hazards:	Chronic Aquatic Toxicity	Category 2
Label Elements		
Pictogram:		
Signal Words:	Warning	
Hazard Statements-EU:	H319: Causes Serious Eye Irritation H302: Harmful if Swallowed H332: Harmful if Inhaled H411: Toxic to Aquatic Life with Long-Lasting Effects	
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. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P270: Do not eat, drink, or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. 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. P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P301 + P312: IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. P330: Rinse Mouth
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 #**
Proprietary Basic Blue *- Harmful if swallowed.* *- Risk of serious damage to eyes.* *- Toxic to aquatic organisms.* *- May cause long-term adverse effects in the aquatic environment.*	-	-
The exact ingredient percentages and non-hazardous composition have been withheld as a trade secret.		

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
General information:	Immediately remove all contaminated clothing.
In the event of skin contact:	Wash skin thoroughly with soap and water. Get medical attention if irritation develops.
In the event of eye contact:	Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.
In the event of swallowing:	Rinse mouth out immediately. In case of swallowing drink plenty of water. Do not induce vomiting. Consult a doctor. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
In the event of exposure by inhalation:	Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	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:	As in any fire, wear self-contained breathing apparatus and full protective equipment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Methods and material for containment and clean up:	Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains. Contain liquids using absorbants. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	In accord with good industrial practice, handle with care and avoid personal contact.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
Occupational exposure limits:	Use local ventilation.
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:	Wear safety glasses with side shields or safety goggles.
Skin protection:	Wear chemical resistant rubber gloves and long sleeved clothing.
Other protective equipment:	Wear overalls, apron or other protective clothing. Keep away from food and drink stuffs. Do not eat, drink, or smoke at work. Wash hands before breaks and at end of work and use skin-protecting ointment.
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:	Blue
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:	N/A
Flammability Classification:	N/A
Flash Point:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/D
Flammability Limits (lower/upper):	N/A
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:	390 - 610 kg/m3
Water Solubility:	35.0 g/l (25°C)
pH:	4.5 - 5.5 @ 100.0 g/l
Viscosity:	N/A
Explosive Properties:	No data available
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:	N/D

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:	CO2, 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): 393 mg/kg (RAT)	
Acute Inhalation Toxicity:	LC50 Animal: >1.3 mg/l (RAT) LC50 Fish: 10 -100 mg/l (96 h, Leuciscus idus)	
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 %
Bacteria Toxicity:	LC50: 1- 10 mg/l (Respiratory inhibition of activated sludge)
Daphnia Toxicity:	LC50: 1.0 – 10 mg/l (48 h, Daphnia magna)
COD:	830 mg/g
AOX:	0.000%

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:	
Proper Shipping Name:	Non-Hazardous Ink Material
D.O.T. Hazard Classification:	Not Regulated
Frt. Class Package:	55
IMDG:	
UN number:	UN 3077
UN proper shipping name:	Environmentally Hazardous Substance, Solid N.O.S Oxazine Dyestuff
Hazard Class:	9
UNNR:	UN 3077
Packing Group:	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:	Yes
	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:	No information available
Flammability:	No information available
Reactivity:	No information available
Personal Protection:	No information available
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.

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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)

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	Wassergefahrdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System