

TECH LINE Coatings

SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Brilliance Dye

Part Number: Yellow

Recommended Use: Dye/Colorant

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc
26844 ADAMS AVE.
MURRIETA, CA 92562
USA
Phone/Fax 1-865-773-0599
www.techlinecoatings.com

Keep out of reach of children.
Not recommended for use on Medical equipment.
Not recommended for use on Aviation equipment.

**Emergency Phone: N.America +1-800-535-5053
Intl. +1-352-323-3500**

Section 2 Hazards Identification

OSHA HCS Status: This product is a hazardous chemical, as defined by OSHA at 29 CFR 1910.1200. Hazards identified are based on hazards of the ingredients. This product has not been fully tested.

Signal Word: Danger

Symbols:



Flammable liquids Category 2
Serious Eye Damage/Eye Irritation Category 2
Specific target organ toxicity (single exposure) Category 3
Target Organs - Central nervous system (CNS).
Specific target organ toxicity - (repeated exposure) Category 2
Target Organs - Kidney, Liver, spleen, Blood
Acute Toxicity, Oral (Hazard Category 5)
Eye Irritant (Hazard Category 2B)
Sensitization-Skin (Hazard Category 1)
Combustible Dust

Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection
Keep cool

Response

Get medical attention/advice if you feel unwell

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction

Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Repeated exposure may cause skin dryness or cracking

Section 3 – Composition / Information On Ingredients

Component	CAS	Percentage
Acetone	67-64-1	<80.00%
C.I. Solvent Yellow 21* #	5601-29-6	<20.00%
Amine*	61791-14-8	3.60%

- TSCA Registry Names: C.I Solvent Yellow 21: Chromate(1-), bis[2-[[[4,5-dihydro-3-methyl-5-(oxo-.kappa.O)-1-phenyl-1H-pyrazol4-yl]azo-.kappa.N1]benzoato(2-)-.kappa.O]-, hydrogen Amine: Ethoxylated cocoamines
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Denotes components that are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 (EPCRA or SARA Title III) and 40 CFR 372. See Section 15.

Total chromium content in the dye: ca. 1.1% as Cr(III).

Other ingredients are not hazardous based on OSHA standard Section 29 CFR 1910.1200

Section 4 – First Aid Measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water, and remove contaminated clothing shoes and leather goods. Consult a physician..

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 – Fire Fighting Measures

Extinguishing Media: CO 2, dry chemical, dry sand, alcohol-resistant foam. Water spray. Cool closed containers exposed to fire with water spray.	Special Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Unusual Fire And Explosion Hazards: Flammable. Risk of ignition. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.. Carbon monoxide (CO) Carbon dioxide (CO2) Formaldehyde Methanol	Additional Information: Water may be ineffective
Hazardous Combustion Products:: CO, CO2, NOx, CrOx, Ash contains chromium oxides. When burned, especially in alkaline conditions, chromium (III) can be oxidized to chromium (VI) compounds that are well known as carcinogens	

Section 6 – Accidental Release Measures

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and inhalation of vapors.

Environmental Precautions Should not be released into the environment.

Methods for Containment and Clean Remove all sources of ignition. Take precautionary measures against static discharges. Up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Use spark-proof tools and explosion-proof equipment.

Section 7 – Handling And Storage

Handling:

Wear personal protective equipment. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only non-sparking tools. Use explosion-proof equipment. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded

Storage:

Flammables area. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep container tightly closed in a dry and well-ventilated place.

Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL
Acetone	TWA: 500 ppm STEL: 750 ppm	TWA: 1000 ppm	250 ppm .
Chromium (III)*	TWA 0.05 mg/m ³ , (measured as Cr)	.CLV 5 mg/m ³ as Mn	1,1 mg/m ³

Engineering Controls:

Exhaust ventilation.
Showers
Eyewash stations
Use in a well-ventilated area.

Respiratory Protection:

Use NIOSH approved respirator if TWA/TLV limits are exceeded

Protective Gloves:

CHEMICAL RESISTANT

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

Other Protective Equipment:

WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES

Ventilation: Local Exhaust: Use To Maintain Below TWA Limits
Mechanical: Use Non-Sparking Equipment
Work / Hygienic Practices: wash thoroughly after handling product and before eating, drinking or smoking

Section 9 – Physical And Chemical Properties

Form :	liquid
Color :	Yellow
Odor :	Sweet Solvent smell
Odor Threshold:	Not Established
pH :	No data available
Melting point/range :	No data available
Initial boiling point :	> 150° F.
Flash point :	-20 °C / -4 °F
Evaporation Rate:	No data available on mixture
Upper/lower flammability or explosive limits:	No data available on mixture
Vapor pressure	No data available on mixture
Vapor density	> 1 - (air =1)
Relative density	No data available on mixture
Solubility(ies)	No data available on mixture
Partition coefficient: n-octanol/water	No data available on mixture
Auto-ignition temperature	No data available on mixture
Decomposition temperature	No data available on mixture
Viscosity	50 centistokes at 100° F.

Section 10 – Stability And Reactivity

Stability:	STABLE
Possibility of hazardous reactions:	Hazardous Polymerization: Will not occur.
Conditions to avoid:	Avoid storage of open containers at elevated temperatures. Heat, flames and sparks, direct sunlight.
Incompatible Materials:	Oxidizing material can cause a reaction.
Reactivity:	Not self-reactive, reactive with water, or spontaneously combustible
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silicon dioxide. Carbon oxides. Metal oxides. Formaldehyde. CO, CO ₂ , NO _x , CrO _x , Ash contains chromium oxides. When burned, especially in alkaline conditions, chromium (III) can be oxidized to chromium (VI) compounds that are well known as carcinogens

Section 11 – Toxicological Information

Acute Toxicity

Product Information Component Information

LD50 Ora

LD50 Derma

LC50 Inhalation

Component

Acetone 5800 mg/kg (Rat) > 15800 mg/kg (rabbit) > 7400 mg/kg (rat) 76 mg/l, 4 h,(rat)

Toxicologically Synergistic
Bromodichloromethane;
Products

Carbon tetrachloride; Chloroform; Trichloroethylene;
 Dibromochloromethane; N-nitrosodimethylamine; 1,1,2-Trichloroethane; Styrene;
 Acetonitrile, 2,5-Hexanedione; Ethanol; 1,2-Dichlorobenzene

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Irritating to eyes and skin

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA
Acetone	67-64-1	Not Listed	Not Listed	Not Listed	Not Listed

Mutagenic Effect No information available on mixture
Reproductive Effect No information available.

Developmental Effect No information available.

Teratogenicity No information available.

STOT - single exposure Central nervous system (CNS)
STOT - repeated exposure Kidney Liver spleen Blood

Aspiration hazar No information available

Symptoms / effects,both acute an Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting:
vomiting:

delayed May cause pulmonary edema: Inhalation of high vapor concentrations may
cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Endocrine Disruptor Information No information available

Other Adverse Effects Neurotoxic effects have occurred in experimental animals.

Section 12 – Ecological Information

General Comments:

Do not allow material to be released into the environment without proper governmental permits

Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flee
Acetone	NOEC=430 mg/l Algae 96 h	Oncorhynchus mykiss: LC50 = 5540 mg/l 96 h Alburnus alburnus: LC50 = Leuciscus idus: LC50 = 11300 mg/L/48h Salmo gairdneri: LC50 =	EC50 = 14500 mg/L/15 mir	EC50 = 8800 mg/L/48h EC50 = 12700 mg/L/48h EC50 = 12600 mg/L/48h

		6100 mg/L/24h		
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Persistence and Degradability
Bioaccumulation/ Accumulation Persistence is unlikely based on information available.
 No information available.

Mobility Will likely be mobile in the environment due to its volatility.

Component.	Log Pow.
Acetone	-0.24

section 13 – Disposal Considerations

.Do not discharge into waterways or sewer systems without proper authority. Dispose of in accordance with all government regulations

Section 14 – Transportation Information

Hazardous for Shipping: Yes
Based on 49 CFR, IATA and IMDG:
UN Number: UN1263
UN Proper Shipping Name: Paint
Hazard Class: 3
Packing Group: II

Labels: Flammable Liquid

Placards: Flammable Liquid

Section 15 – Regulations

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All hazardous ingredients are on the TSCA Chemical Substance Inventory.

Component	%	CAS Number	SARA 313	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
Acetone	80.00%	67-64-1	Yes	Yes	Yes	Yes	No

SARA 311 / 312 Hazards: Flammable Hazard ,Acute Health Hazard, Chronic Health Hazard Fire Hazard

SARA Title III Section 313: The components listed below are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 (EPCRA or SARA Title III) and 40 CFR 372.

313 Component	CAS	Percentage
# C.I Solvent Yellow 21: Chromate(1-), bis[2-[[[4,5-dihydro-3-methyl-5(oxo-.kappa.O)-1-phenyl-1H-pyrazol-4-yl]azo-.kappa.N1]benzoato(2-).kappa.O]-, hydrogen	5601-29-6	< 20.00%

Components are reportable under the chromium compound category. Total chromium content in the dye: ca. 1,1% as Cr(III)

Section 16 – Other Information

Date Prepared: 04/18/2017

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