

Safety Data Sheet (SDS)
According to 1907/2006/EC(REACH), 1272/2008/EC(CLP), and GHS

Section 1: Identification of the Substance/Mixture and the Company/Undertaking

Product Name: YB Pigment Pack

Product Code: YB Color Pigment Pack

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BY  PERFORMANCE COATINGS

TAKING THE R&D OUT OF YOUR BRAND SINCE 1921

Section 2: Hazard(s) Identification

Classifications:

Carcinogenicity: Category 2

Flammable liquids: Category 3

Signal Words: Warning

Hazard Pictograms:



Hazard Statement(s)

H351: Suspected of causing cancer.

H316: Flammable liquid and vapor.

Precautionary Statements:

Prevention:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment

P241: Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P280: Use personal protective equipment as required.

Response

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P308: IF exposed or concerned: Get medical advice/attention.

P370+378: In case of fire: Use CO₂, dry chemical, or foam for extinction.

Storage

P403+235: Store in a well-ventilated place. Keep cool.

P405: Store locked up

Revision date: 07/09/2020

Disposal

P501: Dispose of contents/containers to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Chemical Name	%W/W	CAS No.	Trade Secret
Titanium dioxide	30 - 60	13463-67-7	*
Propylene Glycol Methyl Ether Acetate	7 - 13	108-65-6	*
Dipropylene Glycol Methyl Ether Acetate	7 - 13	88917-22-0	*
Silica, Amorphous fumed	1 - 5	7631-86-9	*
Aluminum hydroxide	1 - 5	21645-51-2	*
May contain the following:			
Carbon Black	0-10	1333-86-4	*
Iron oxide	0-10	1309-37-1	*
C.I. Pigment Yellow 42	0-10	51274-00-1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

Section 4: First Aid Measures

Description of first aid measures

Inhalation	Remove to fresh air.
Skin Contact	Wash skin with soap and water
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Section 5: Fire-Fighting Measures

Extinguishing Media

- Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable Extinguishing Media CAUTION, use of water spray when fighting fire may be inefficient

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Flammable.

EXPLOSION DATA:

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: None.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Environmental Release Measures**Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Use personal protective equipment as required

Environmental precautions

Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

METHODS FOR CONTAINMENT:

Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP:

Soak up with inert absorbent material

Section 7: Handling and Storage**Precautions for safe handling and storage**

Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). No known Incompatible materials based on supplied information.

Section 8: Exposure Control/Personal Protection**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
Silica, Amorphous fumed 7631-86-9	-	(vacated) TWA: 6 mg/m ³ <1% Crystalline silica TWA: 20 mppcf : (80)/(%) SiO ₂ mg/m ³ TWA	IDLH: 3000 mg/m ³ TWA: 6 mg/m ³
Aluminum hydroxide 21645-51-2	TWA: 1 mg/m ³ respirable particulate matter	-	-
Carbon Black 133-86-4	3.5 mg/m ³	3.5 mg/m ³	-
Iron Oxide 1309-37-1	5 mg/m ³ dust/fume	10 mg/m ³	-

C.I. Pigment Yellow 42 51274-00-1	-	-	-
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Engineering Measures/Controls: Showers, eyewash stations, ventilation systems.

Personal Protective Equipment

EYE/FACE PROTECTION: No special technical protective measures are necessary.

SKIN AND BODY PROTECTION: No special technical protective measures are necessary.

RESPIRATORY PROTECTION: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. **GENERAL HYGIENE CONSIDERATIONS:** Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

PHYSICAL STATE Liquid

APPEARANCE No information available

COLOR No information available

ODOR No information available

ODOR THRESHOLD No information available

PROPERTY

pH

MELTING POINT / FREEZING POINT

BOILING POINT / BOILING RANGE

FLASH POINT

EVAPORATION RATE

FLAMMABILITY (SOLID, GAS)

FLAMMABILITY LIMIT IN AIR

UPPER FLAMMABILITY LIMIT:

LOWER FLAMMABILITY LIMIT:

VAPOR PRESSURE

VAPOR DENSITY

SPECIFIC GRAVITY

WATER SOLUBILITY

SOLUBILITY IN OTHER SOLVENTS

PARTITION COEFFICIENT

AUTOIGNITION TEMPERATURE

DECOMPOSITION TEMPERATURE

KINEMATIC VISCOSITY

DYNAMIC VISCOSITY

EXPLOSIVE PROPERTIES

OXIDIZING PROPERTIES

VALUES

No information available

No information available

>= 140 °C / 284 °F

54 °C / 130 °F

No information available

No information available

No information available

No information available

No information available

No information available

1.74

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

OTHER INFORMATION

SOFTENING POINT

MOLECULAR WEIGHT

LIQUID DENSITY

BULK DENSITY

PERCENT SOLIDS BY WEIGHT

PERCENT VOLATILE BY WEIGHT

PERCENT SOLIDS BY VOLUME

ACTUAL VOC (LBS/GAL)

ACTUAL VOC (GRAMS/LITER)

EPA VOC (LBS/GAL)

EPA VOC (GRAMS/LITER)

EPA VOC (LB/GAL SOLIDS)

No information available

No information available

14.51 lbs/gal

No information available

78.1%

21.9%

59.6%

3.2

381.2

3.2

381.2

5.3

Section 10: Stability and Reactivity

REACTIVITY: No data available

CHEMICAL STABILITY: Stable under recommended storage conditions

POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing

CONDITIONS TO AVOID: Extremes of temperature and direct sunlight

INCOMPATIBLE MATERIALS: None known based on information supplied

HAZARDOUS DECOMPOSITION PRODUCTS: None known based on information supplied

Section 11: Toxicological Information

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION- No data available

INHALATION- No data available

EYE CONTACT- No data available

SKIN CONTACT- No data available

INGESTION - No data available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Propylene Glycol Methyl Ether Acetate 108-65-6	= 8532 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Dipropylene Glycol Methyl Ether Acetate 88917-22-0	> 2930 mg/kg	-	-
Silica, Amorphous fumed 7631-86-9	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h
Aluminum hydroxide 21645-51-2	> 5000 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

SYMPTOMS No information available

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

SENSITIZATION No information available

GERM CELL MUTAGENICITY No information available

CARCINOGENICITY No information available

Chemical name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7	-	Group 2B	-	X
Silica, Amorphous fumed 7631-86-9	-	Group 3	-	-

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive Toxicity: No information available
STOT - SINGLE EXPOSURE No information available
STOT - REPEATED EXPOSURE No information available
TARGET ORGAN EFFECTS Eyes, Lungs, Respiratory system
ASPIRATION HAZARD No information available

Section 12: Ecological Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Propylene Glycol Methyl Ether Acetate 108-65-6	-	161: 96 h Pimephales promelas mg/L LC50 static	500: 48 h Daphnia magna mg/L EC50
Silica, Amorphous fumed 7631-86-9	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	5000: 96 h Brachydanio rerio mg/L LC50 static	7600: 48 h Ceriodaphnia dubia mg/L EC50

PERSISTENCE AND DEGRADABILITY No information available
BIOACCUMULATION No information available

Chemical name	Partition coefficient
Propylene Glycol Methyl Ether Acetate 108-65-6	0.43

OTHER ADVERSE EFFECTS No information available

Section 13: Disposal Considerations

WASTE DISPOSAL METHOD: Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container.

Section 14: Transport Information

US DOT: Not regulated

TDG: Not regulated

MEX: UN number: UN1263
 UN proper shipping name: Paint
 Transport hazard class: 3
 Packing group: III
 Special Provisions: 163, 223

ICAO (air): UN number: UN1263
 UN proper shipping name: Paint
 Transport hazard class: 3
 Packing group: III
 Special Provisions: A3, A72

IATA: UN number: UN1263

UN proper shipping name: Paint
Transport hazard class: 3
Packing group: III
ERG code: 3L
Special Provisions: A3, A72

IMDG: UN number: UN1263
UN proper shipping name: Paint
Transport hazard class: 3
Packing group: III
EmS-No: F-E, S-E
Special Provisions: 163, 223, 955

RID: UN number: UN1263
UN proper shipping name: Paint
Transport hazard class: 3
Packing group: III
Classification Code: F1
Special Provisions: 163,640E, 650

ADR: UN number: UN1263
UN proper shipping name: Paint
Transport hazard class: 3
Packing group: III
Classification Code: F1
Tunnel restriction code: (D/E)
Special Provisions: 163, 640E, 650

ADN: UN number: UN1263
UN proper shipping name: Paint
Transport hazard class: 3
Packing group: III
Classification Code: F1
Special Provisions: 163, 640E, 650
Limited quantity (LQ): 5 L
Ventilation: VE01
Equipment Requirements: PP, EX, A

Section 15: Regulatory Information

International Inventories

TSCA	Complies
DSL/NDSL	Complies *
EINECS/ELINCS	Complies *
ENCS	Does not comply *
IECSC	Complies *
KECL	Complies *
PICCS	Complies *
AICS	Complies *

* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

LEGEND:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

US State Regulations:

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
None known.	Carcinogen

U.S. State Right-to-know Regulation

Chemical name	New Jersey	Massachusetts
Polyamine epoxy hardener	X	X
Silica, Amorphous fumed 7631-86-9	-	X

U.S. EPA LABEL INFORMATION

EPA Pesticide Registration Number Not applicable

HAZARDOUS AIR POLLUTANTS (HAPS) CONTENT

This product contains no Hazardous Air Pollutants individually at 1% by weight, or greater.

Section16: Other Information

HMS HAZARD RATINGS 0 = INSIGNIFICANT; 1 = SLIGHT; 2 = MODERATE; 3 = HIGH; 4 = EXTREME

HEALTH: 1*

FLAMMABILITY: 2

PHYSICAL HAZARD: 0

PERSONAL PROTECTIVE EQUIPMENT: B (SAFETY GLASSES AND GLOVES)

* = Chronic Health Hazard

REVISIONS SUMMARY

This SDS has been revised in the following sections: Section 14

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