SAFETY DATA SHEET

Product Name: **UltraColor Pigment Pack**

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Manufacturer/Distributor Name: Ultra Durable Technologies, Inc.
1415 5th St N
St. Cloud, MN 56303
1-800-722-2998 www.ultradt.com

Emergency Phone Numbers: CHEMTREC within the United States 1-800-424-9300
CHEMTREC within Canada +1-703-527-3887

Product Name: UltraColor Pigment Pack

SECTION 2 – HAZARDS INDENTIFICATION

Classifications:
Carcinogenicity: Category 2
Flammable liquids: Category 3
Signal Words: Warning
Hazard Pictograms:

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

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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

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

SECTION 4 – FIRST AID MEASURES

INHALATION: Remove to fresh air.
SKIN: Wash skin with soap and water.
EYES: 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 – FIREFIGHTING MEASURES

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: 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 TO BE TAKEN IN 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 CONTROLS/PERSONAL PROTECTION

Exposure Guidelines .

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3
Silica, Amorphous fumed 7631-86-9	-	(vacated) TWA: 6 mg/m3 <1% Crystalline silica TWA: 20 mppcf : (80)/(% SiO2) mg/m3 TWA	IDLH: 3000 mg/m3 TWA: 6 mg/m3
Aluminum hydroxide 21645-51-2	TWA: 1 mg/m3 respirable particulate matter	-	-

Carbon Black 133-86-4	3.5 mg/m3	3.5 mg/m3	-
Iron Oxide 1309-37-1	5 mg/m3 dust/fume	10 mg/m3	-
C.I. Pigment Yellow 42 51274-00-1	-	-	-

ENGINEERING CONTROLS: Showers, eyewash stations, ventilation systems

PERSONAL PROTECTION
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	**VALUES**
pH	No information available
MELTING POINT / FREEZING POINT	No information available
BOILING POINT / BOILING RANGE	>= 140 °C / 284 °F
FLASH POINT	54 °C / 130 °F
EVAPORATION RATE	No information available
FLAMMABILITY (SOLID, GAS)	No information available
FLAMMABILITY LIMIT IN AIR	
UPPER FLAMMABILITY LIMIT:	No information available
LOWER FLAMMABILITY LIMIT:	No information available
VAPOR PRESSURE	No information available
VAPOR DENSITY	No information available
SPECIFIC GRAVITY	1.74
WATER SOLUBILITY	No information available
SOLUBILITY IN OTHER SOLVENTS	No information available
PARTITION COEFFICIENT	No information available
AUTOIGNITION TEMPERATURE	No information available
DECOMPOSITION TEMPERATURE	No information available
KINEMATIC VISCOSITY	No information available
DYNAMIC VISCOSITY	No information available
EXPLOSIVE PROPERTIES	No information available
OXIDIZING PROPERTIES	No information available

OTHER INFORMATION

SOFTENING POINT	No information available
MOLECULAR WEIGHT	No information available
LIQUID DENSITY	14.51 lbs/gal
BULK DENSITY	No information available
PERCENT SOLIDS BY WEIGHT	78.1%
PERCENT VOLATILE BY WEIGHT	21.9%
PERCENT SOLIDS BY VOLUME	59.6%

ACTUAL VOC (LBS/GAL)	3.2
ACTUAL VOC (GRAMS/LITER)	381.2
EPA VOC (LBS/GAL)	3.2
EPA VOC (GRAMS/LITER)	381.2
EPA VOC (LB/GAL SOLIDS)	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

ECOTOXICITY 63.31% of the mixture consists of components(s) of unknown hazards to the aquatic environment

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
Titanium dioxide - 13463-67-7	Carcinogen

U.S. STATE RIGHT-TO-KNOW REGULATIONS

Chemical name	New Jersey	Massachusetts
Titanium dioxide 13463-67-7	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.

SECTION 16 – OTHER INFORMATION

HMIS 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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.