Safety Data Sheet

SDS for Citrus/Sugar solution:

- Citric Acid SDS – see pages 1-10
- Sugar SDS – see pages 11-16

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FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969
COLOR on FABRIC

1. Identification

Product identifier **Citric Acid** Anhydrous

Product Code Number **CHM1022, CHM2022**

Date June 6, 2015

Manufacturer/Importer/Supplier/Distributor information

Contact Information:

Dharma Trading Company
1805 South McDowell Blvd. Ext.
Petaluma, CA 94954 USA
(800) 542-5227

Emergency phone number

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300
International CHEMTREC, call: 1-703-527-3887 **For non-emergency assistance, call:** 800-442-0455

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation

OSHA defined hazards Combustible dust

Label elements

Signal word Warning

Hazard statement Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May form combustible dust concentrations in air.

Precautionary statement

Prevention Observe good industrial hygiene practices. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only outdoors or in a well-ventilated area. Keep container tightly closed. Ground/bond container and receiving equipment. Avoid breathing dust. Wash thoroughly after handling. Wear protective gloves. Wear eye/face protection. Prevent dust accumulation to minimize explosion hazard.

Response Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

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

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) **Supplemental information** Not applicable.

None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Citric acid	77-92-9	100

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4. First-aid measures

Inhalation	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	May form combustible dust concentrations in air.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). This product is miscible in water. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Explosion-proof general and local exhaust ventilation. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Avoid breathing dust. Avoid contact with skin and eyes. Avoid prolonged exposure. Avoid contact with clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

White granules

Physical state

Solid.

Form

Powder. Granules.

Color

White.

Odor

Not available.

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

307.4 °F (153 °C)

Initial boiling point and boiling range

Not available.

Flash point

Not available.

Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.

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Flammability limit – upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	214 °F (101.11 °C)
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Molecular formula	C6-H8-O7
Molecular weight	192.12 g/mol

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, sparks and open flame. Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Inhalation of dusts may cause respiratory irritation.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation. Dust in the eyes will cause irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May cause respiratory irritation.

Components	Species	Test Results
Citric acid (CAS 77-92-9)		
Acute		
Oral		
LD50	Mouse	5040 mg/kg
	Rat	6730 mg/kg
Other		
LD50	Mouse	42 mg/kg
	Rabbit	330 mg/kg

Rat	883 mg/kg

* Estimates for product may be based on additional component data not shown.

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Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation. Dust in the eyes will cause irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not available.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Respiratory tract irritation.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not available.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
One or more components are not listed on TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

Food and Drug Administration (FDA)

Total food additive
Direct food additive
GRAS food additive

US state regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is NOT known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is NOT known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing

16. Other information, including date of preparation or last revision

Issue date	19-June-2014
Revision date	-
Version #	01
Further information	Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available.

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.

Dharma Trading Co. FINEST ART SUPPLIES & CLOTHING BLANKS SINCE 1969 COLOR on FABRIC

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	**White Sugar (Crystalline)**
Other Names:	Sucrose, Sugar, Refined Sugar, Caster Sugar
Date:	June 6, 2015
Recommended use:	Natural color enhancer
Company:	Dharma Trading Company 1805 South McDowell Blvd. Ext. Petaluma, CA 94954 USA (800) 542-5227

Emergency Phone Number: CHEMTREC (24HR Emergency Telephone),
call: 1-800-424-9300
International CHEMTREC, call: 1-703-527-3887
For non-emergency assistance, call: 800-442-0455

SECTION 2: HAZARDS IDENTIFICATION

Physical hazards Not classified.
Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.

Precautionary statement

Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Note: This product is a well known ingredient in food and beverages and this Safety Data Sheet is concerned only with occupational exposures.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Proportion:	CAS Number:
Sucrose	100%	57-50-1

Dharma Trading Co. COLOR FABRIC FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969

SECTION 4: FIRST AID MEASURES

Swallowed: Give water to drink.
Eye: Flush thoroughly with copious amounts of running water. If symptoms persist, seek medical attention.
Skin: Wash thoroughly with soap and water.
Inhaled: Remove to fresh air.
Advice to Doctor: Treat symptomatically. People with diabetes may need stabilization.

SECTION 5: FIRE FIGHTING MEASURES

Specific Hazards: Airborne sugar dust can explode where under certain conditions of temperature, humidity and where suspended in air exceeds 20 grams per cubic meter. Dust extraction systems, cleaning procedures, electrical earthing and other safety measures must be used to avoid the risk of explosion. Incompatible with strong oxidising agents.
Flammability: Low, product will burn in surrounding fire situation.
Extinguishing Media: Water, dry chemical, carbon dioxide, BCF and foam.
Hazards from combustion products: With heat, product burns/oxidises to form carbon, carbon monoxide and or carbon dioxide, and smoke.
Special protective precautions and equipment for fire fighters: Standard fire-fighting precautions applicable.
Hazchem code: None allocated

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills: Wet sweep, vacuum or shovel into containers. Wash area with water. Notify any relevant waste or environmental authority.

SECTION 7: HANDLING AND STORAGE

Handling: Material can ferment if excessive moisture contamination is allowed. Fermentation can yield carbon dioxide with possible traces of ethanol or volatile fatty acids (e.g. acetic, propionic, lactic, or butyric) and if exposed to a spark or flame may result in an explosion. These conditions should be avoided. If maintenance of tank requires entry by personnel, confined space precautions should be complied with. Insufficient oxygen may be present in vessels containing the product due to the generation of carbon monoxide during fermentation.
Storage: This product should be stored in its factory packaging in a dry area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

Individual protection measures, such as personal protective equipment

Eye/face protection Unvented, tight fitting goggles should be worn in dusty areas.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.
Other Wear suitable protective clothing.

Respiratory protection Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Dharma Trading Co. FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969 COLOR on FABRIC

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystalline solid
Odor:	Sweet odor
pH, at stated concentration:	Not available
Vapour pressure:	Not determined
Vapour Density:	Not determined
Boiling Point/range: (°C)	170-186°C
Freezing/Melting Point: (°C)	Decomposes with heat
Solubility in water:	2 kg per liter
Solubility (Other):	Not applicable
Specific gravity: (H2O = 1)	1.59
Molecular weight:	342
Flammability Limits:	Combustible
Flash Point:	Not applicable
Autoignition temperature:	500°C
Relative density:	Not available
Evaporation rate:	Not available
Partition coefficient n-octanol/water:	Not available
Decomposition temperature:	Not available
Viscosity:	No data available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Incompatible Materials:	Incompatible with oxidizing agents (eg. peroxides).
Conditions to avoid:	None
Hazardous Decomposition products:	None
Hazardous Polymerisation:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data: Non-toxic – a foodstuff
Sucrose: LD50 (Ingestion) : 29,700 mg/kg (rat)

Health Effects
***Acute* (short term)**.

Swallowed: No health effects under normal conditions of industrial use, but ingestion may destabilize people with diabetes.

Eye: Irritating to the eyes and may cause watering and redness.

Skin: Skin contact may result in mild skin irritation.

Inhaled: Sugar dust may irritate the nose and throat.

Chronic: Repeated exposure to the powder and dust may result in increased nasal and respiratory secretions and coughing, but not irreversible health effects. Repeated skin contact may cause dermatitis.

Dharma Trading Co. FIBER ARTS SUPPLIES & CLOTHING BLANKS SINCE 1969

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Non-toxic to aquatic and terrestrial organisms.
Persistence and Degradability: Product is persistent and would have a low degradability.
Mobility: A low mobility would be expected in a landfill situation.

SECTION 13: DISPOSAL CONSIDERATIONS

White Sugar can be treated as a common waste for disposal or dumped into a landfill site in accordance with relevant authority guidelines. Note BOD load of sugar solutions in waste water streams.
Personal precautions should be observed (see Section 8 above).

SECTION 14: TRANSPORT INFORMATION

Transport Requirements:	No special transport requirements are necessary.
UN number:	None allocated **Class:** None
allocated **Subsidiary Risk 1:**	None allocated **Packaging**
Group:	None allocated **Hazchem code:**
	None allocated **DG Class:**
	None allocated **EPG:** None
Incompatibilities:	None
Proper Shipping Name:	None allocated
Marine Pollutant:	No

SECTION 15: REGULATORY INFORMATION

US federal regulations All components are on the U.S. EPA TSCA Inventory List. This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Chat Tha Trading Co. FLEET ART SUPPLIES & CLOTHING BLANKS SINCE 1969

SARA 302 Extremely hazardous substance Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)` Not regulated.
Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List Not regulated.
US. New Jersey Worker and Community Right-to-Know Act Not listed.
US. Pennsylvania Worker and Community Right-to-Know Law Not listed.
US. Rhode Island RTK Not regulated.

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is NOT known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION 16: OTHER INFORMATION

Date: June 6, 2015

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.

Dharma Trading Co. FIBER ARTS SUPPLIES & CLOTHING BLANKS SINCE 1969 COLOR on FABRIC

HENNA POWDER

Date: 1/18/17

1. Identification of the substance/preparation and the company

TRADE NAME:	Henna powder; Item#'s: 9999500; 9999501; JAC9500
UTILIZATION:	Ingredient for natural staining
SUPPLIER COMPANY IDENTIFICATION:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Avenue Healdsburg, CA 95448 Tel: 800-442-0455
DATE ISSUED:	1/18/17
Emergency:	CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-703-527-3887 For non-emergency assistance, call: 800-442-0455

2. Hazards Identification

CLASSIFICATION:	Not Classified
(GHS) SIGNAL WORD:	Not hazardous
ROUTES OF EXPOSURE	INHALATION of powder/dust
	EYE or SKIN contact with the product, powder/dust
EFFECTS OF OVEREXPOSURE EYES:	Irritation
SKIN:	None expected
INHALATION:	Irritation of the upper respiratory system.
INGESTION:	None expected

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Dharma Trading Co. FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969 COLOR on FABRIC

3. Composition Information on Ingredients

INCI-NAME:	*Lawsonia inermis* leaf
CAS-NUMBER:	84988-66-9
EINECS-NUMBER:	284-854-1

This material is not hazardous, as defined by the Department of Labor.

4. First Aid

GENERALLY:	No special measures required. A medical examination is not necessary.
FIRST AID AFTER INHALATION:	Move to fresh air. Seek medical advice if necessary.
FIRST AID AFTER SKIN CONTACT:	In general product is not skin-irritating. Wash skin with soap and water. If irritation persists, seek medical attention.
FIRST AID AFTER EYE CONTACT:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
FIRST AID AFTER INGESTION:	No special measures required. In the event of unintentional swallowing, do not force vomiting. Seek medical attention if necessary, showing the label.
MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE/DELAYED:	No symptoms known.

5: Fire-fighting Measures

SUITABLE EXTINGUISHING MEDIA:	Foam, C02, dry extinguishing powder.
UNSUITABLE EXTINGUISHING MEDIA:	Nothing to report
PROTECTIVE EQUIPMENT:	Keep away from sources of ignition. Do not smoke. Respiratory and eye protection required for fire crews when exposed to smoke or fumes.
FIRE AND EXPLOSION PROTECTION:	This product is made up of inflammable material with low risk. The product may form ignitable mixtures or burn only upon heating above the flash point.

6: Accidental Release Measures

PERSONAL PRECAUTIONS:	Ensure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS:	No special measures required.
METHODS FOR CLEANING UP:	Clean up mechanically. Avoid dust formation.

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7.Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:	Apply good manufacturing practice & industrial hygiene practices. Observe good personal hygiene, and do not eat, drink or smoke whilst handling. Avoid dust formation.
CONDITIONS FOR SAFE STORAGE:	Store the product a well-ventilated environment, protect from direct sunlight, in a cool, dry place.

8: Exposure Controls and Personal Protection

HAND PROTECTION:	Gloves
RESPIRATORY PROTECTION:	Do not inhale dust. Protective Mask in case of formation of dust.
EYE PROTECTION:	Protective glasses
PHYSICAL PROTECTION:	Use usual individual protective equipment
OCCUPATIONAL EXPOSURE LIMIT:	No special measures required

9: Physical and Chemical Properties

APPEARANCE:	powder
COLOR:	yellowish brown
ODOR:	plant matter
MELTING /FREEZING POINT:	not available
INITIAL BOILING POINT & RANGE:	not available
FLASH POINT:	not determined
SOLUBILITY:	partially soluble in water, oils
AUTO-IGNITION TEMPERATURE:	not determined
FLAMMABILITY:	not available
EXPLOSIVE PROPERTIES:	nothing to report
DECOMPOSITION TEMPERATURE:	nothing to report
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	nothing to report
VAPOR PRESSURE:	nothing to report
ODOR THRESHOLD:	nothing to report
VAPOR DENSITY:	nothing to report
PH:	nothing to report
RELATIVE DENSITY:	nothing to report
EVAPORATION RATE:	nothing to report
PARTITION COEFFICIENT: N-OCTANOL/WATER:	nothing to report
VISCOSITY:	nothing to report

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10: Stability and Reactivity Data

REACTIVITY:	It presents no significant reactivity hazards, by itself or in contact with water.
CHEMICAL STABILITY:	The product is stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	It presents no significant hazardous reaction.
CONDITIONS TO AVOID:	Keep away from open flames.
SUBSTANCES TO AVOID:	Nothing to report
HAZARDOUS DECOMPOSITION PRODUCTS:	Nothing to report

11: Toxicological Information

Not classified as hazardous. If the product is used properly it will not cause any injuries to health.

ACUTE TOXICITY:	In compliance with generally accepted uses and quantities no negative impacts are to be expected. LDSO oral: not determined LDSO dermal: not determined LCSO: not determined Inhalation: There is not expected negative impact. Ingestion: There is not expected negative impact. Skin contact: There is not expected negative impact. Eye contact: There is not expected negative impact.
SKIN CORROSION/IRRITATION:	In compliance with generally accepted uses and quantities no negative impacts are to be expected.
SERIOUS EYE DAMAGE/IRRITATION:	In compliance with generally accepted uses and quantities no negative impacts are to be expected.
RESPIRATORY /SKIN SENSITIZATION:	In compliance with generally accepted uses and quantities no negative impacts are to be expected. Deep inhalation may cause respiratory troubles such as watering, sneezing, irritation.
GERM CELL MUTAGENICITY:	There is not expected negative impact.
CARCINOGENICITY	There is not expected negative impact.
REPRODUCTIVE TOXICITY	There is not expected negative impact.
STOT-SINGLE EXPOSURE	No information available
STOT-REPEATED EXPOSURE	No information available
ASPIRATION HAZARD	No information available

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12: Ecological Information

12.1. ECOTOXICITY:	Nothing to report. Natural product. Environmentally not hazardous.
12.2. MOBILITY IN SOIL:	passive natural product
12.3. DEGRADABILITY:	Biologically well degradable
12.4. BIOACCUMULATION POTENTIAL:	nothing to report
12.5 VARIOUS HARMFUL EFFECTS:	nothing to report

13: Disposal Considerations

RECOMMENDATION:	Collect and dispose of waste product in conformity with local disposal regulations. Is a natural biodegradable product.

14: Transport Information

GENERAL:	Not classified as a dangerous good under transport regulations. Protect against humidity.
RECOMMENDATIONS:	not classified
ROAD (ADR/RID):	not classified
AIR (IATA/ICAO):	not classified
SEA (IMDG):	not classified
SPECIAL PRECAUTIONS FOR USER:	See section 6-8
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC:	Not defined

15: Additional Regulatory Information

SARA312: IMMEDIATE (ACUTE) HEALTH HAZARD:	NO
DELAYED (CHRONIC) HEALTH HAZARD:	NO
FIRE HAZARD:	NO
SUDDEN RELEASE OF PRESSURE:	NO
REACTIVITY:	NO
SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES):	Substance is not listed.
TSCA (TOXIC SUBSTANCES CONTROL ACT):	Substance is not listed.
PROPOSITION 65 (CALIFORNIA) CHEMICALS KNOWN TO CAUSE CANCER:	Substance is not listed.
CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES:	Substance is not listed.
CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR MALES:	Substance is not listed.
CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY:	Substance is not listed.
CARCINOGENIC CATEGORIES EPA (ENVIRONMENTAL PROTECTION AGENCY):	Substance is not listed.
IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):	Substance is not listed.
TLV (THRESHOLD LIMIT VALUE ESTABLISHED BY ACGIH):	Substance is not listed.
NIOSH-CA (NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH):	Substance is not listed.
EU CLASSIFICATION:	Not subject to classification according to CLP Regulation (EC) No. 1272/2008.

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.

16: Other Information

Dharma Trading Co. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Dharma Trading Co. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied war-ranty. In no case shall Dharma Trading Co. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Revision date: January 18, 2017

Dharma Trading Co.
FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969
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SAFETY DATA SHEET (SDS)

Revision Date: 09/25/2018

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	**EUCALYPTUS OIL**	
Product Number/Code:	**EUC0004**	
Recommended Use:	For body art applications	
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 under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.		
Toxicological Data on Ingredients:		
Hazard Classification		
Physical Hazards:	Flammable Liquid	Category 3
Health Hazards:	Skin Irritant	Category 2
	Skin Sensitization	Category 1
	Aspiration Hazard	Category 1
Environmental Hazards:	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, chronic hazard	Category 2
Label Elements		
Pictogram:		
Signal Words:	DANGER	
Hazard Statements-EU:	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H400 Very toxic to aquatic life. H401 Toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.	

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Precautionary Statements-EU:	
Prevention:	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 Explosion-free electrical equipment and lighting with earth. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P273 Avoid release into the environment. P280 Wear protective gloves/protective clothing/eye protection.
Response:	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+352 IF ON SKIN: Wash with plenty of soap and water. P303+P361+P353 IF ON SKIN(or hair): Take off immediately all contaminated closing. Rinse skin with water/shower. P321 Specific treatment (see supplemental first aid instruction on product label). P331 Do NOT induce vomiting. P332+313 If skin irritation occurs: Get medical advice/attention. P333+313 If skin irritation or rash occurs: Get medical advice/attention. P362 +P364 Take off contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P370+P378 In case of fire: use media other than water to extinguish.
Storage:	P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
Disposal:	P391 Collect spillage. P501 Dispose in a safe manner in accordance with local/national regulations.
Hazard(s) not otherwise classified:	No additional information available.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity	**Content in percent (%)***	**CAS #**	**GHS-US Classification***
Eucalyptol	>= 80%	470-82-6	H226 Flam. Liq. 3 H317 Skin Sens. 1B
+d-Limonene	5-10%	5989-27-5	H226 Flam. Liq. 3 H315 Skin Irrit. 2 H317 Skin Sens. 1B H304 Asp. Tox. 1 H400 Aquatic Acute 1 H410 Aquatic Chronic 1
alpha-Pinene	1-5%	80-56-8	H226 Flam. Liq. 3 H315 Skin Irrit. 2 H317 Skin Sens. 1B H304 Asp. Tox. 1
Gamma Terpinene	1-5%	99-85-4	H226 Flam. Liq. 3 H304 Asp. Tox. 1
p-Cymene	1-5%	99-87-6	H226 Flam. Liq. 3 H304 Asp. Tox. 1 H411 Aquatic Chronic 2

**See section 16 for full text of H-statements*

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SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
General information:	Call a physician immediately.
In the event of skin contact:	Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs: get medical advice/attention. Specific treatment: see supplemental first aid instruction on product label. If skin irritation or rash occurs: get medical advice/attention.
In the event of eye contact:	Rinse eyes with water as a precaution.
In the event of swallowing:	Immediately call a POISON CENTER/doctor. Do not induce vomiting. Call a physician immediately.
In the event of exposure by inhalation:	Remove person to fresh air and keep comfortable for breathing.

SECTION 5 - FIREFIGHTING MEASURES

Suitable extinguishing media:	Dry chemical powder. Water spray. Dry powder. Foam. Carbon dioxide.
Special hazards arising from the substance or mixture:	Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
Advice for fire fighters:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Emergency procedures for non-emergency personnel: ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. For emergency responders: Do not attempt to take action without suitable protective equipment. For further information, refer to section 8.
Environmental precautions:	Avoid release to the environment.
Methods and material for containment and clean up:	Collect spillage. Take up liquid into absorbent material. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site.

SECTION 7 - HANDLING AND STORAGE

Additional hazards when processed:	Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling:	Ensure good ventilation of the work station. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Ground/bond container and receiving equipment. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures:	Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling product.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
Appropriate engineering controls:	Ensure good ventilation of the work station.
Individual protection measures, such as personal protective equipment:	
Eye/face protection:	Safety glasses.
Skin protection:	Wear suitable protective clothing.
Hand protection:	Protective gloves.
Environmental exposure controls:	Avoid release into the environment.
Respiratory protection:	[In case of inadequate ventilation] wear respiratory protection.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	Liquid
Color:	Colourless
Type of Odor:	Characteristic
Odor threshold:	No data available
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	No data available
Melting Point/Freezing Point:	Not applicable / No data available
Flammability Classification:	No data available
Flash Point:	109°F/42.8°C
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Explosion limits (lower/upper):	No data available
Flammability Limits (lower/upper):	No data available
Evaporation rate:	No data available
Vapor Pressure:	1.7 mm Hg 20°C
Vapor Density (Air=1):	No data available
Octanol/Water Partition Coefficient (log Pow):	No data available
Specific Gravity:	0.9050-0.9250 (at 25°C)
Bulk Density:	No data available
Water Solubility:	Poorly soluble in water.
pH:	No data available
Viscosity (dynamic/kinematic):	No data available
Explosive Properties:	No data available
Oxidizing Properties:	No data available
Molecular Formula:	No data available
Molecular Weight:	No data available
Relative Density:	0.915

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Flammable liquid and vapour.
Chemical stability:	Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
Conditions to avoid:	Open flame. Overheating. Direct sunlight. Heat. Sparks. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials:	No additional information available.
Hazardous decomposition products:	May release flammable gases.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects: Acute toxicity (list all possible routes of exposure)	
Acute Oral Toxicity:	+d-Limonene (5989-27-5): LD50 oral (Rat): 4,400 mg/kg bodyweight
Acute Dermal Toxicity:	+d-Limonene (5989-27-5): LD50 dermal (rabbit): > 5,000 mg/kg bodyweight
ATE US (oral):	+d-Limonene (5989-27-5): 4,400 mg/kg bodyweight
Skin Corrosion/Irritation:	Causes skin irritation
Serious Eye Damage / Eye Irritation:	Not classified
Respiratory or Skin Sensitization:	May cause an allergic skin reaction
Germ Cell Mutagenicity:	Not classified. Based on available data, the classification criteria are not met.
Carcinogenicity:	Not classified
IARC group:	3 - Not classifiable
Reproductive Toxicity:	Not classified. Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - single exposure (STOT-se):	Not classified
Specific Target Organ Toxicity - repeated exposure (STOT-re):	Not classified
Aspiration Hazard:	May be fatal if swallowed and enters airways.
Potential Health Effects:	
Skin Contact:	Causes skin irritation. Irritation. May cause an allergic skin reaction.
Ingestion:	May be fatal if swallowed and enters airways. Risk of lung oedema.
Inhalation:	May cause an allergic skin reaction.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
Ecology - general:	Toxic to aquatic life with long lasting effects.
Ecology - water:	Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Eucalyptol (470-82-6):	LC50 fish 1: 102 mg/l (96h; Pimephales promelas) Threshold limit (other organisms 1): 40.071 mg/l (720 h; Pimephales promelas; QSAR)
+d-Limonene (5989-27-5):	LC50 fish 1: 720 µg/l (96h; Pimephales promelas; Lethal) EC50 Daphnia 1: 0.36 mg/l (48h; Daphnia magna; GLP) LC50 fish 2: 702 µg/l (96h; Pimephales promelas) Threshold limit algae 1: 150 mg/l (72h; Desmodesmus subspicatus; GLP) Threshold limit algae 2: 2.62 mg/l (72h; Desmodesmus subspicatus)
Persistence and Degradability:	
Eucalyptus Oil (8000-48-4):	May cause long-term adverse effects in the environment.
Eucalyptol (470-82-6):	Water: not biodegradable.
+d-Limonene (5989-27-5):	Persistence and degradability: Readily biodegradable in water. Absorbs into the soil. May cause long-term adverse effects in the environment. ThOD: 3.29 g O_2/g substance.
alpha-Pinene (80-56-8)	Persistence and degradability not established.

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SECTION 12 - ECOLOGICAL INFORMATION

Persistence and Degradability (cont'd):	
p-Cymene (99-87-6):	May cause long-term adverse effects in the environment.
Gamma Terpinene (99-85-4):	Persistence and degradability not established.
Bioaccumulative Potential:	
Eucalyptol (470-82-6):	Log Pow: 1.84 (Calculated). Low bioaccumulative potential.
+d-Limonene (5989-27-5):	BCF fish 1: 864.8-1,022 (Pisces, Fresh weight) Log Pow: 4.38 (Experimental value; OECD 117, Partition coefficient (n-octanol/water), HPLC method; 37°C. Bioaccumulative potential not established.
alpha-Pinene (80-56-8):	Bioaccumulative potential not established.
p-Cymene (99-87-6):	Bioaccumulative potential not established.
Gamma Terpinene (99-85-4):	Bioaccumulative potential not established.
Mobility in soil (all):	No additional information available.
Other adverse effects:	No additional information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose in a safe manner in accordance with local/national regulations.
Container Disposal:	Handle empty containers with care because residual vapours are flammable. Flammable vapours may accumulate in the container.
Ecology - waste materials:	Hazardous waste due to toxicity.

SECTION 14 - TRANSPORT INFORMATION

DOT:	
Hazard Class:	In accordance with DOT, not regulated for transport.
Transportation of Dangerous Goods:	No additional information available.
IMDG:	
UN number:	1169
UN proper shipping name:	EXTRACTS, AROMATIC, LIQUID
Hazard Class:	3 - Flammable Liquids
Packing group:	III - substances presenting low danger
IATA:	
UN No:	1169
Proper shipping name:	EXTRACTS, AROMATIC, LIQUID
Class:	3 - Flammable Liquids
Packing group:	III - Minor Danger

Dharma Trading Co. FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations:	
Eucalyptus Oil (8000-48-4):	Listed on United States TSCA (Toxic Substances Control Act) inventory.
Eucalyptol (470-82-6):	Listed on United States TSCA (Toxic Substances Control Act) inventory.
+d-Limonene (5989-27-5):	Listed on United States TSCA (Toxic Substances Control Act) inventory
alpha-Pinene (80-56-8):	Listed on United States TSCA (Toxic Substances Control Act) inventory
p-Cymene (99-87-6):	Listed on United States TSCA (Toxic Substances Control Act) inventory
Gamma Terpinene (99-85-4):	Listed on United States TSCA (Toxic Substances Control Act) inventory
International Regulations:	
CANADA	
Eucalyptol (470-82-6):	Listed on the Canadian DSL (Domestic Substances List)
alpha-Pinene (80-56-8):	Listed on the Canadian DSL (Domestic Substances List)
p-Cymene (99-87-6):	Listed on the Canadian DSL (Domestic Substances List)
EU Regulations:	No additional information available.
National Regulations:	No additional information available.
US State Regulations:	
alpha-Pinene (80-56-8):	US New Jersey - Right to Know Hazardous Substance List
	US Pennsylvania RTK (Right to Know) List
p-Cymene (99-87-6):	US Pennsylvania RTK (Right to Know) List
California Prop 65:	This product contains no chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm.

SECTION 16 - OTHER INFORMATION

Health:	1 - Slight Hazard - Irritation or minor reversible injury possible.
Flammability:	2 - Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flashpoint at or above 100°F but below 200°F (Classes II & IIIA)
Physical:	0 - Minimal Rating - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense or self-react. Non-explosives.
Personal protection:	B: Safety glasses, Gloves
Full text of H-statements:	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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: 09/25/2018

Dharma Trading Co FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969 COLOR ON FABRIC

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

Dharma Trading Co. COLOR ON FABRIC SUPPLIES & CLOTHING BLANKS SINCE 1969