



** SAFETY DATA SHEET **

SECTION 1- PRODUCT IDENTIFICATION

Product Trade Name: LiPigments Aqua™ & Velvet™; DC & TC

Company Code: LI-AQVT

Other Names of Identification: Biocompatible suspension of purified insoluble colorants in nontoxic liquid matrix.

Color Name: N/A – SDS MASTER FOR ALL SHADES

Product Description: Colorant for micropigmentation and permanent cosmetics

Supplier: LiPigments

27 Honeck Street, Englewood, NJ 07631

Phone: (201)871-3777

CHEMTREC (EMERGENCY CONTACT): (800) 424-9300

SECTION 2- HAZARDS IDENTIFICATION

Classification of Mixture:

Flammable Liquid: GHS Category 3

Eye Irritation: GHS Category 2A

Label Elements:



Hazard Statements:

H226 – Flammable liquid and vapor.

H303 – Maybe harmful if swallowed.

H320 – Causes eye irritation.

Precautionary Statements:

P110 – Keep out of reach of children.

P210 – Keep away from heat/spark/open flames/hot surfaces. – No smoking.

P281 – Use personal protective equipment as required.

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice/attention.

P374 – Fight fire with normal precautions from a reasonable distance.

P410 + P412 – Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

EMERGENCY OVERVIEW:

Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. This material may produce a floating fire hazard.

HMIS & NFPA RATINGS:



** SAFETY DATA SHEET **

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Hazard Ratings: Health – 0, Flammability – 1, Chemical Reactivity – 0.
NFPA Hazard Ratings: Health – 0, Flammability – 1, Chemical Reactivity – 0.

Note: HMIS and NFPA ratings are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

Human Health Data:

Primary Route(s) of Exposure: Skin Contact

Human Effect and Symptoms of Overexposure:

On the basis of Animal Toxicity Data this product is expected to be non-irritating to the eyes and skin and essentially non-toxic by ingestion.

Medical Conditions Aggravated by Exposure:

None Known.

Carcinogenicity

NTP: Not listed

IARC: Not Listed

OSHA: Not Listed

Other: Based on information currently available, this product is not considered

SECTION 3- COMPOSITION OF INGREDIENTS

Ingredient	Percent	EINECS NO.	CAS NO.
Water	15-30	215-185-5	7732-18-5
Glycerin	15-30	200-289-5	56-81-5
Isopropyl Alcohol	15-30	200-661-7	67-63-0
Colorants*	15-30		

*Colorants may be any of the following insoluble coloring agents:

FDA Designation	CI	EINECS No.	CAS No.
Titanium Dioxide	77891	236-675-5	13463-67-7
D&C Black 2	77266	215-609-9	1333-86-4
Black Iron Oxide	77499	235-442-5	12227-89-3
Red Iron Oxide	77491	215-168-2	1309-37-1
Yellow Iron Oxide	77492	257-098-5	51274-00-1
Chromium Oxide Green	77288	215-160-9	1308-38-9
Ultramarine Blue	77007	309-928-3	57455-37-5
Ultramarine Pink/Violet	77007	235-811-0	12769-96-9
FD&C Blue No. 1 Aluminum Lake	42090:2	272-939-6	68921-42-6
D&C Red No. 6 Lake	15850	227-497-9	5858-81-1
D&C Red No. 6 Barium Lake	15850:2	241-806-4	17852-98-1
D&C Red No. 7 Calcium Lake	15850:1	226-109-5	5281-04-9
D&C Red No. 21 Aluminum Lake	45380:3	240-005-7	15876-39-8



**** SAFETY DATA SHEET ****

D&C Red No. 27 Aluminum Lake	45410:2	282-941-9	84473-86-9
D&C Red No. 28 Aluminum Lake	45410:2	282-941-9	84473-86-9
D&C Red No. 30 Lake	73360	219-163-6	2379-74-0
D&C Red No. 34 Calcium Lake	15880:1	229-142-3	6417-83-0
D&C Red No. 36 Lake	12085	220-562-2	2814-77-9
FD&C Red No. 40 Aluminum Lake	16035	247-368-0	25956-17-6
FD&C Yellow No. 5 Aluminum Lake	19140:1	235-428-9	12225-21-7
FD&C Yellow No. 6 Aluminum Lake	15985:1	239-888-1	15790-07-5
D&C Yellow No. 10 Aluminum Lake	47005:1	285-989-9	68814-04-0

SECTION 4 – FIRST AID MEASURES

General Information:

- On the basis of Animal Toxicity Data this product is expected to be non-irritating to the eyes and skin and essentially non-toxic by ingestion

Following EYE CONTACT:

- Flush eyes thoroughly with large amounts of water, lifting lids periodically for at least fifteen minutes. Get medical attention if redness or irritation occurs.

Following SKIN CONTACT:

- Not expected to be harmful. Wash skin thoroughly with soap and water. Remove severely contaminated clothing. Seek medical attention in the unlikely event that skin irritation occurs (redness etc.).

Following INHALATION:

- Remove to fresh air. Get medical attention if breathing is difficult or lung irritation is present.

Following INGESTION:

- Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

Please note that there has been no evidence of the health effects listed for this product, nor would it anticipate the occurrence of these health effects when the product is used under normal conditions.

Most important symptoms and effects, both acute and delayed:

- Refer to Section 11 – Toxicology Information

Indication of any immediate medical attention and special treatment needed

Notes for the doctor:

- No adverse reactions anticipated. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Special treatment:

- No Data



**** SAFETY DATA SHEET ****

SECTION 5- FIRE FIGHTING MEASURES

FLAMMABILITY DATA

Flash Point (°C) >24

Flammable Limits:

LEL: 2 Vol%

UEL: 12 Vol%

Extinguishing Media:

Suitable Extinguishing Media:

- Regular foam, carbon dioxide, dry chemical or alcohol resistant foam recommended.
- Apply water spray to cool exposed closed containers.

Unsuitable Extinguishing Media:

- No Data

Special hazards arising from the substance or mixture:

Unusual Fire and Explosion Hazards:

- Flammable liquid and vapor.

Hazardous Combustion Product:

- Oxides of carbon and nitrogen, various hydrocarbons

Special Fire-Fighting Procedures:

- NIOSH-approved Self-Contained Breathing Apparatus (SCBA) and full protective clothing/equipment recommended.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions:

- Wear appropriate protective equipment including respiratory protections as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remove possible causes of ignition – Do not smoke. Keep away from heat, sparks, and flame.

Emergency Procedures:

- As an immediate precautionary measure, isolate spill or leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep out of low areas. Keep unauthorized personnel away. Ventilate closed spaces before entering.

Environmental Precautions

- No Data.

Methods and material for containment and cleaning up:

- Stop leak if you can do so without risk. Absorb or cover spill with dry earth, sand or other inert non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

Handling

- Keep away from heat and ignition sources – No Smoking.

Storage:

- Store at 4° C to 32° C (40° F to 90° F) away from direct sources of heat or ignition. Do not store in direct sunlight. Avoid extreme temperatures. Store in original container. Empty containers may contain product residues and should be handled appropriately.



** SAFETY DATA SHEET **

Store away from incompatible materials. Position containers so that any labeling information is visible.

Materials to avoid:

- Oxidizers, strong acids

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

There are no ACGIH TLV's or OSHA PEL's established for this product.

Occupational Exposure Limits/Guidelines

Chemical Identity	Result	ACGIH	Canada Ontario	Canada Quebec	China	NIOSH	OSHA/CAL
Isopropyl Alcohol (Cas 67-63-0) (EINECS 200-661-7)	STELs	400ppm STEL	400ppm STEL	500ppm STEV; 1230mg/m3 STEV	700mg/m3 STEL	500ppm STEL; 1225mg/m3 STEL	500ppm STEL; 1225mg/m3 STEL
	TWAs	200ppm TWA	200ppm TWA	400ppm TWAEV; 985mg/m3 TWAEV	350mg/m3 TWA	400ppm TWA; 980mg/m3 TWA	400ppm TWA; 980mg/m3 TWA

Biological Limit Values

Isopropyl Alcohol (Cas 67-63-0) (EINECS 200-661-7)	40ml/l (Urine) (acetone: Sampling time: End of shift at end of work week.)
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DNEL

- DNEL long-time workers, by dermal route: 888 mg / kg
- DNEL long-time workers, by inhalation: 500 mg / m³
- DNEL long-term, consumer, oral: 26 mg / kg
- DNEL long-term, consumer, dermal route: 319 mg / kg
- DNEL long-term, consumer, by inhalation: 89 mg / m³

PNEC

- 28 mg / kg (soil)
- 141 mg / l (seawater)
- 552 mg / kg (marine sediment)
- 552 mg / kg (freshwater sediment)
- 141 mg / l (freshwater)

Exposure Controls

Engineering Measures/Controls:

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable exposure limit values. No local exhaust expected to be required.

Personal Protective Equipment:

Respiratory



** SAFETY DATA SHEET **

- None required in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety goggles.

Hands

- Wear protective gloves.

Skin/Body

- Where extensive dermal exposure may be expected wear a chemical apron. Wear protective working garments (e.g. safety shoes, long-sleeved protective working garments). Launder contaminated clothing before reuse.

General Industrial Hygiene Considerations:

- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Eye wash should be available close to work areas.

Environmental Exposure Controls:

- Follow best practice for site management and disposal of waste. Avoid release to the environment but product is not expected to be harmful to the environment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	Liquid
Color	Variant by Colorant – According to Specifications
Taste	Data Lacking
Particulate size	0.5-2.0nm
Appearance/Description	Colored Liquid
Odor	Slightly Alcoholic
Particulate Type	Colorant*
Aerosol Type	Not relevant
pH	6-8 (water extract)
Melting point/Freezing point	No Data
Initial boiling point/boiling range	No Data
Flashpoint	>24°C
Evaporation rate	No Data
Flammability (solid, gas)	No Data
Upper explosive limit	No Data
Lower explosive limit	No Data
Vapour pressure	No Data
Vapour density	No Data
Relative density	4.5-5.2 g/cm ³ at 20°C
Solubility in water	Liquid component: 100% Colorant: 0%



**** SAFETY DATA SHEET ****

Partition coefficient: n-octano/water	log POW 0.05 - Bioaccumulation is not expected
Auto-ignition temperature	No Data
Decomposition temperature	No Data
Viscosity, dynamic	No Data
Viscosity, cinematic	No Data
Explosive properties	No Data
Oxidizing properties	None
VOC's (EPA method 24/24A)	None

Physical hazards:

Explosives

- No Hazard

Flammable gases

- No Hazard

Flammable aerosols

- No Hazard

Oxidizing gases

- No Hazard

Gases under pressure

- No Hazard

Flammable liquids

- Flash Point >24°C

Flammable solids

- No Hazard

Self-reactive substances and mixtures

- No Hazard

Pyrophoric liquids

- No Hazard

Pyrophoric solids

- No Hazard

Self-heating substances and mixtures

- No Hazard

Substances or mixtures which, in contrast with water emit flammable gases

- No Hazard

Oxidizing liquids

- No Hazard

Oxidizing solids

- No Hazard

Organic peroxides

- No Hazard

Metal corrosion

No Hazard



**** SAFETY DATA SHEET ****

SECTION 10 - STABILITY AND REACTIVITY

Reactivity

- May react with strong oxidizing agents and strong acids. No dangerous reactions known under conditions of normal use.

Chemical stability

- This product is a stable compound under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Temperatures of 100° C (212°).

Incompatible materials

- Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates and permanganates. Oxidizing materials may vigorously evolve oxygen in large amounts. Avoid strong acids.
- Avoid heating, open flames, ignition sources and electrostatic charge.

Hazardous decomposition products

- When involved in a fire, decomposition on burning of pigments may evolve noxious gases, which are toxic. These compounds may include carbon monoxide, carbon dioxide, nitrous oxides or hydrogen chloride, depending on the pigment type.

SECTION 11 - TOXICOLOGICAL INFORMATION

General-For Mixture

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, cosmetic pigments in general are considered to have low levels of toxicity. There is no evidence of harmful effects from available information. There are no established permissible exposure limits for this product.

Acute (short-term) toxicity

Skin contact: May cause minor irritation with itching and possible slight local redness. Prolonged or repeated contact may cause drying of the skin. No evidence of harmful effects from available information.

Eye contact: Accidental Direct Eye Contact may cause abrasion and irritation. Corneal injury may occur.

Inhalation: Not expected to be an inhalation hazard. However, high concentrations of vapor may cause irritation of the respiratory tract with coughing and chest discomfort. May also cause headache and drowsiness. Excessive levels of fumes may result in discomfort after repeated or prolonged exposures.

Ingestion: Maybe harmful if swallowed. Contact Physician Immediately.

Chronic (long-term toxicity)

No known published data available and no adverse effects expected.

Sensitization: Data not established for this product

Chronic Toxicity: Data not established for this product

Reproductive Toxicity: Data not established for this product

Mutagenicity:

No mutagenic effects known or expected.

Toxicological tests performed on chemically identical products



** SAFETY DATA SHEET **

Toxicology information – Isopropanol

Routes of exposure:

- Exposure can occur through inhalation, ingestion (even accidentally), absorbed through the skin or eye contact.

Acute toxicity:

- LD50 Rat, oral: > 5 000 mg/kg; low toxicity
- LD50 Rabbit dermal route: > 5 000 mg/kg; low toxicity
- LC50 Rat inhalation: low toxicity

After inhalation

- High concentrations can cause an impairment of the central nervous system, resulting in headaches, dizziness and nausea.

Sensitization

- No sensitizing effect.

Aspiration hazard

- If swallowed or vomited may cause chemical pneumonitis in the lungs which can be fatal.

After eye contact

- Irritant.

General remarks:

Mutagenicity

- Not mutagenic

Carcinogenicity

- Not a carcinogen

Reproductive Toxicity

- Does not impair fertility. Not a developmental toxicant.

After inhalation

- Irritation symptoms in the respiratory tract.

After swallowing

- No data are available.

After skin contact

- Repeated exposure may cause skin dryness or cracking

After eye contact

- Irritating to eyes.

No target organ toxicity -single exposure:

- Vapors may cause drowsiness and dizziness.

No target organ toxicity -repeated exposure:

- Kidney: caused kidney damage in male rats which are judged considered relevant to humans.

SECTION 12 - ECOLOGICAL INFORMATION

Ecological data for mixture

None available - This product has not been evaluated for its ecotoxicity. However, the biodegradation of *Organic & Inorganic* colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since *Organic & Inorganic* pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.



** SAFETY DATA SHEET **

Ecological data for pure isopropanol

Toxicity

Aquatic toxicity:

Fish toxicity LC50 1400 mg/l/96 h (*Lepomis macrochirus*)(ECOTOX-Database)

Toxicity to daphnia EC50 > 13000 mg/l/48 h (*Daphnia magna*)(IUCLID)

Toxicity to algae IC50 > 1000 mg/l/72 h (*Scenedesmus quadricauda*) (IUCLID)

Persistence and degradability

Abiotic degradation: fast photochemical oxidation in the air.

Biodegradation: Within 10 days of readily biodegradable. The product is easily biodegradable.

Behavior in sewage plant: In activated sludge: 100% / 4 d (anaerobic conditions; Warburg respirometer)

Bioaccumulative potential

No bioaccumulation is to be expected (log Pow <4).

Bioconcentration factor: 3 (calculated BCFWIN v2.17)

Mobility in soil

Groundwater can be damaged if large quantities get into the soil.

Volatility: Dissolves in water indefinitely. Disappears within a day by evaporation or dissolution.

Results of PBT- und vPvB assessment

This does not meet all PBT-/vPvB-criteria of REACH Regulation and is therefore not classified as PBT or vPvT fabric.

Other adverse effects

Additional ecological information:

Do not allow to enter in the ground water, water, soil, waste or drains.

More quantitative data on Eco toxicological effect of this product are not available.

Water hazard class - see section 15

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

Product residues should be disposed of in compliance with the Waste Directive 2008/98/EC as well as national and regional regulations. Local regulations may be more stringent than regional or national requirements and must be adhered to. Recover or recycle if possible. It is the responsibility of the waste generator to determine the proper waste classification and disposal methods in compliance with applicable regulations.

Should not be released in the environment, drains or water courses. Waste must not be discharged into soil or water. Must not be disposed with household garbage. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

In the cases of spills, leaks or release, review sections: 'FIRE FIGHTING MEASURES'; 'ACCIDENTAL RELEASE MEASURES' & 'EXPOSURE CONTROLS/PERSONAL PROTECTION'

Product/Packaging disposal

Relevant Waste codes/waste designations

- Waste Directive 2008/98/EC

Packaging

- Empty container completely and clean. Send to be reconditioned or recycled.

Waste treatment options

- Incineration or land filling are recommended disposal techniques. Contact the state and local environmental agency for specific rules.



**** SAFETY DATA SHEET ****

Other disposal recommendations

- N/A

Additional information

- This product is not identified as a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

SECTION 14 - TRANSPORT INFORMATION

D.O.T. SHIPPING NAME (49 CFR 172.101-102).....	: Not regulated
D.O.T. HAZARD CLASS (49 CFR 172.101-102).....	: None
D.O.T. LABEL.....	: None
D.O.T. PLACARD.....	: None
BILL OF LADING DESCRIPTION.....	: Liquid colorant
CERCLA SUBSTANCE (49 CFR).....	: Not regulated
REPORTABLE QUANTITY (RQ).....	: None

INTERNATIONAL

UN/NA NUMBER.....	: Not regulated
IMDG/IACO CLASSIFICATION.....	: Not regulated
IATA CLASSIFICATION.....	: Not regulated

For Isopropanol:

Proper shipping name: Isopropanol

UN Number: 1219

Hazard Class 3

Packaging group II

IMO Information: Isopropanol

Label of class: 3.2

Intermediate flashpoint group

Land transport ADR / RID (cross border / domestic)

ADR/RID-GGVs/E-class: 3 (flammable, flammable liquids)

Packing group: II

Kemler-number: 33

UN-number: 1219

Description of goods ISOPROPANOL (ISOPROPYLALCOHOL)

Tunnel: (D/E)

Maritime transport IMDG/GGV Sea

IMDG/GGVSee-class: 3

UN-number: 1219

Packing group: II

EMS-number: F-E, S-D

Marine pollutant: No

Description of goods: ISOPROPANOL (ISOPROPYL ALCOHOL)

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA-class: 3

UN/ID-Number: 1219

Packing group: II

Description of goods: ISOPROPANOL (ISOPROPYL ALCOHOL)



**** SAFETY DATA SHEET ****

SECTION 15 - REGULATORY INFORMATION

OSHA Hazard Communication Standard Status

This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA) Status

All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA chemical inventory.

SARA Title III

Section 302 (EHS)..... : None

Section 311/312 (Acute)..... : None

RCRA

Not regulated as a hazardous waste under RCRA.

Supplemental State Compliance Information

California State: Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

Warning: This product contains isopropanol, a hazardous substance with an upper bound conc. 63%.

This product is tested for common colorant contaminants and does not contain measurable amounts of such chemicals as Lead (Pb); Arsenic (As); Mercury (Hg); Chromium Extract (2% HaOH); Antimony (Sb), Beryllium (Be), Cobalt (Co), Nickel (Ni) and Selenium (Se) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. This product is considered to have no significant risk under the *safe harbor levels* pursuant to the Proposition 65 Safe Harbor Levels.

This product may contain detectable amounts of contaminants; we can assure you our products meet all the Federal requirements under the Food, Drug and Cosmetic Act for safety and effectiveness.

Isopropanol listing:

AICS: Listed.

DSL: Listed.

INV (CN): Listed.

ENCS (JP): Listed. (2) -207

ISHL (JP): Listed. 2 - (8) -319

TSCA: Listed.

National legislation such as

EINECS: listed. 200-661-7

KECI (KR): listed. KE-29363

PICCS (PH): listed.

National Legislation

OECD. HPV: listed.

Note employment restrictions under the Youth Employment Law (Jugendarbeitsschutzgesetz) (94/33/EC) and the Maternity Protection Directive (for expectant and nursing mothers).

Leaflet BG Chemie:

M 017 solvent

M 050 work with hazardous substances

M 051 Hazardous Chemicals



**** SAFETY DATA SHEET ****

SECTION 16 - OTHER INFORMATION

Date Created: February 2015

Last Updated-September 1, 2015

The information and recommendations contained herein is based on data considered accurate and has been compiled from sources believed to be reliable and represent the most reasonable opinion on the subject when the SDS was prepared. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. **LiPigments** assumes no responsibility for the personal injury or property damage caused by the material. Users assume all risks associated with the use of the material.

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