

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Thick Shading Solution
Product code : PBSSTK

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Intended for professional use as tattoo ink/permanent makeup ink.

1.3. Supplier

Ink Projects LLC
460 Greenway Industrial Drive, Suite A
Fort Mill, SC, 29708

1.4. Emergency telephone number

Emergency number : +1-813-248-0585. In case of emergency search for territorial toxicological emergency number or call 112

Country	Organization/Company	Address	Emergency number	Comment
Algeria		Algiers		
Australia		Westmead		
Austria		Vienna		
Belarus		Minsk		
Belgium		Brussels		Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)
Bulgaria		Sofia		The phone is active 24/7 and calls to it are free
Croatia		Zagreb		Information available 24/7 in Croatian and English
Cyprus		Nicosia		Operating hours 24 hours / 24 hours, 7 days a week
Czech Republic		Prague		and only in the event of a malfunction, phone 725 103 658 (otherwise there may not be a toxicologist on this phone!) Questions about ACUTE INTOXICATION of people and animals are dealt with exclusively on TIS direct telephone lines 24 hours a day
Denmark		Copenhagen		

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Country	Organization/Company	Address	Emergency number	Comment
Estonia		Tallinn		Calling the hotline is anonymous and at the cost of a local call.
Finland		Helsinki		Open 24 hours a day 0800 147 111 (free of charge) 09 471 977 (normal rate call)
France	Centre antipoison d'Angers	Angers Cedex 9		
Germany		Berlin		
Greece		Athens		
Hungary		Budapest		Emergency number 1: (0-24 hours, free of charge - only from Hungary) Emergency number 2: (0-24 hours, can be called for a normal fee - also from abroad)
Iceland		Reykjavik		Around the clock, every day
Ireland		Dublin		
Israel		Haifa		
Italy		Bergamo	+39 800 88 33 00	
Jordan		Amman		
Kazakhstan		Almaty		
Latvia		Riga		works 24 hours a day
Lithuania		Vilnius	+370 (85) 236 20 52	
Luxembourg		Brussels		Free telephone number with a 24/7 access. Experts answer all urgency questions on dangerous products in French, or German
Malta		Msida Msida		
Mexico		Mexico City		
Morocco		Rabat		
Netherlands	Nationaal Vergiftigingen Informatie Centrum (NVIC)	Huispostnummer Q03.2.315 Utrecht		Only for the purpose of informing medical personnel in cases of acute intoxications
Norway		Folkehelseinstituttet Postboks 222 Skøyen 0213 Oslo		Operating hours 24 hours / 24 hours, 7 days a week
Poland		Gdańsk	+48 512 069 737	
Portugal		Lisbon		
Romania	Spitalul Clinic de Urgenta pentru Copii „Grigore Alexandrescu”	Bucharest		
Russia		Moscow		

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Country	Organization/Company	Address	Emergency number	Comment
Saudi Arabia		Riyadh		
Serbia		Belgrade		
Slovakia		Bratislava	+421 911 166 066	
Slovenia		Ljubljana		
Spain		Las Rozas de Madrid	+34 91 411 26 76 (teléfono solo para médicos)	(Toxicological emergencies only). Information in Spanish (24/7)
Sweden		Solna		
Switzerland		Zürich	+41 44 251 51 51	(from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66
Tunisia		Tunis		
Turkey	Ulusal Zehir Danışma Merkezi (UZEM) Halk Sağlığı Genel Müdürlüğü, T.C. Sağlık Bakanlığı	Sağlık Mahallesi Adnan Saygun Cad. No:55 Sıhhiye 06430 Ankara		Information is provided to public and medical personnel on poisoning incidents via 114.
United Arab Emirates		Abu Dhabi		
United Kingdom		Belfast		Only for healthcare professionals

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Glycerin	CAS-No.: 56-81-5	50 – 75	Not classified
Water	CAS-No.: 7732-18-5	25 – 50	Not classified
Citric Acid	CAS-No.: 77-92-9	0,1 – 0,5	Not classified
Sodium Benzoate	CAS-No.: 532-32-1	0,1 – 0,5	Not classified
Potassium Sorbate	CAS-No.: 24634-61-5	< 0,1	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Thick Shading Solution	
No additional information available	
Glycerin (56-81-5)	
USA - OSHA - Occupational Exposure Limits	
Local name	Glycerin (mist)
OSHA PEL TWA [1]	15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Water (7732-18-5)	
No additional information available	
Citric Acid (77-92-9)	
No additional information available	
Sodium Benzoate (532-32-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Sodium benzoate, as benzoate
ACGIH OEL TWA	2,5 mg/m ³ (Inhalable fraction)
Remark (ACGIH)	TLV® Basis: Kidney changes. Notations: Skin; A5 (Not Suspected as a Human Carcinogen)
Regulatory reference	ACGIH 2022
Potassium Sorbate (24634-61-5)	
No additional information available	

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Mixture contains one or more component(s) which have the following colour(s): Colourless Colourless to white
Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Odourless
Odor threshold	: No data available
pH	: 7,5 – 8,5
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: > 92 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Particle size	: < 1 µm
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Explosive properties : No data available

Oxidizing properties : No data available

Glycerin (56-81-5)	
Boiling point	290 °C (1013 hPa)
Flash point	199 °C (Closed cup, 1013 hPa, ISO 2719: Flash point (Pensky-Martens))
Auto-ignition temperature	370 °C (T2)
Vapor pressure	< 0,01 hPa (20 °C)
Particle size	Not applicable (liquid)

Water (7732-18-5)	
Boiling point	100 °C
Vapor pressure	23,8 mm Hg

Citric Acid (77-92-9)	
Boiling point	Not applicable (decomposes)
Flash point	345 °C
Auto-ignition temperature	1010 °C (T1)
Vapor pressure	< 0,01 hPa (25 °C)
Particle size	4,12 µm (D10)

Sodium Benzoate (532-32-1)	
Boiling point	464,9 °C at 1013hPa Source: OECD Screening Information Data Set
Flash point	> 100 °C
Auto-ignition temperature	560 °C (T1)
Vapor pressure	< 0,01 hPa (20 °C)

Potassium Sorbate (24634-61-5)	
Boiling point	Not applicable (decomposes), EU Method A.2: Boiling point
Flash point	Not applicable (solid)
Auto-ignition temperature	178 °C (EU Method A.16: Relative Self-Ignition Temperature for Solids, T4)
Vapor pressure	< 0,01 hPa (20 °C, EU Method A.4: Vapour Pressure)
Particle size	5 µm (D10, OECD 110: Particle Size Distribution/Fibre Length and Diameter Distributions)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Glycerin	
LD50 dermal	56750 mg/kg (4 day(s), Experimental value, Dermal, 14 day(s))
ATE US (oral)	27200 mg/kg body weight
ATE US (dermal)	56750 mg/kg body weight
Water	
ATE US (oral)	90000 mg/kg body weight
Citric Acid	
ATE US (oral)	11700 mg/kg body weight
Potassium Sorbate	
ATE US (oral)	10500 mg/kg body weight

Skin corrosion/irritation : Not classified.
pH: 7,5 – 8,5
Serious eye damage/irritation : Not classified
pH: 7,5 – 8,5
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Glycerin (56-81-5)

Viscosity, kinematic	No data available in the literature
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Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Citric Acid (77-92-9)	
Viscosity, kinematic	Not applicable (solid)
Potassium Sorbate (24634-61-5)	
Viscosity, kinematic	Not applicable (solid)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

Glycerin (56-81-5)	
Not rapidly degradable	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0,87 g O ₂ /g substance
Chemical oxygen demand (COD)	1,16 g O ₂ /g substance
ThOD	1,217 g O ₂ /g substance

Water (7732-18-5)	
Not rapidly degradable	

Citric Acid (77-92-9)	
Not rapidly degradable	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0,42 g O ₂ /g substance
Chemical oxygen demand (COD)	0,728 g O ₂ /g substance
ThOD	0,686 g O ₂ /g substance

Sodium Benzoate (532-32-1)	
Not rapidly degradable	
Persistence and degradability	Readily biodegradable in water.

Potassium Sorbate (24634-61-5)	
Not rapidly degradable	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

Glycerin (56-81-5)	
Bioaccumulative potential	Not bioaccumulative.
Citric Acid (77-92-9)	
Bioaccumulative potential	Not bioaccumulative.

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Sodium Benzoate (532-32-1)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Potassium Sorbate (24634-61-5)	
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

Glycerin (56-81-5)	
Surface tension	63,4 mN/m (20 °C, 1000 g/l)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

Citric Acid (77-92-9)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

Sodium Benzoate (532-32-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1,219 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

Potassium Sorbate (24634-61-5)	
Surface tension	72,6 mN/m (20 °C, 1 g/l, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	-1,82 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Read-across, GLP)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DOT	TDG	IMDG	IATA
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Citric Acid	CAS-No. 77-92-9	0,1 – 0,5%
Sodium Benzoate	CAS-No. 532-32-1	0,1 – 0,5%
Potassium Sorbate	CAS-No. 24634-61-5	< 0,1%

15.2. International regulations

CANADA

Glycerin (56-81-5)

Listed on the Canadian DSL (Domestic Substances List)

Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

Thick Shading Solution

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

National regulations

Glycerin (56-81-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Water (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.