

# Safety Data Sheet

Version: V1.0.0.1

Report No.: HGNM197QUL

Creation Date: 2019/07/31 Revision

Date: 2019/07/31

**\*Prepared according to EU regulation No. 2015/830**

## 1 Identification of the substance/mixture and of the company/undertaking

### Product identifier

Product Name	Colour Tattoos
Product Model	
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	Not applicable

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

### Details of the supplier of the Safety Data Sheet

Name of the company	Guangzhou Fitprint Enterprise.,Ltd
Address of the company	Building A3, No.,17 Tangxi Road, Tangbian Village, Shapu, Xintang Town, Zengcheng District, Guangzhou.
Post code	510663
Telephone number	020-32199898
Fax number	
E-mail address	sale@tiebeauty.com.cn

### Emergency phone number

Emergency phone number	020-32199898
------------------------	--------------

## 2 Hazards identification

### CLP classification according to Regulation (EC) No. 1272/2008

According to Regulation (EC) No 1272/2008 and its amendments. Not classified as a dangerous substance.

### Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable
Hazard statements	Not applicable

### Precautionary statements

1 / 14

## ◆ Prevention

Prevention	Not applicable
------------	----------------

## ◆ Response

Response	Not applicable
----------	----------------

## ◆ Storage

Storage	Not applicable
---------	----------------

## ◆ Disposal

Disposal	Not applicable
----------	----------------

## | Other hazards

	Not applicable
--	----------------

**3** Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
Ethylene/Acrylic Acid Copolymer	9010-77-9	-	-	Not Classified	77.8
Cellulose Acetate Butyrate	9004-36-8	-	-	Not Classified	10
Dipropylene glycol dibenzoate	27138-31-4	248-258-5	-	Not Classified	2.5
Sucrose acetate iso-butyrate	126-13-6	204-771-6	-	Not Classified	1.5
Paraffinum liquidum	8012-95-1	232-384-2	-	Not Classified	1.7
Acetyl Tributyl Citratel	77-90-7	201-067-0	-	Not Classified	1.2
Isobornyl Acrylate	5888-33-5	227-561-6	-	Not Classified	0.8
Polyurethane butyral	63148-65-2	272-808-3	-	Not Classified	0.8
Glycine Soja Oil	8001-22-7	232-274-4	-	Not Classified	0.6
Glyceryl Rosinate	8050-31-5	232-482-5	-	Not Classified	0.6
Titanium dioxide	13463-67-7	236-675-5	-	Not Classified	0.5
Red 7	5281-4-9	226-109-5	-	Not Classified	0.5
Black Iron Oxide	12227-89-3	235-442-5	-	Not Classified	0.5
FD&C blue 1	3844-45-9	223-339-8	-	Not Classified	0.5
FD&C yellow 5	1934-21-0	217-699-5	-	Not Classified	0.5

## 4 First aid measures

### Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Skin contact	Rinse skin with plenty of water or shower.
Ingestion	Rinse mouth.
Inhalation	Fresh air, rest.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

### Most important symptoms and effects, both acute and delayed

- 1 Please see section 11.

### Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

## 5 Firefighting measures

### Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

### Specific hazards arising from the substance or mixture

- 1 Not combustible, not considered a significant fire risk, however containers may burn.
- 2 Development of hazardous combustion gases or vapor possible in the event of fire.

### Advice for firefighters

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment. Avoid breathing vapours, mist or gas.

### Environmental precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

### Methods and materials for containment and cleaning up

1	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## 7 Handling and storage

### Precautions for handling

#### ◆ Protective measures

1	Handling is performed in a well-ventilated place.
2	Avoid contact with skin and eyes.

#### ◆ Measures to prevent fire

1	Keep away from heat/sparks/open flames/ hot surfaces.
---	---

#### ◆ Measures to prevent aerosol and dust generation

1	Avoid formation of dust and aerosols.
2	Provide appropriate exhaust ventilation at places where dust is formed.

#### ◆ Advice on general occupational hygiene

1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.

### Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

### Specific end uses

1	In addition to use mentioned in the first parts, unforeseen other specific end uses.
---	--

## 8 Exposure controls/personal protection

### Control parameters

#### ◆ Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	USA - OSHA	-	15	-	-
	South Korea	-	10	-	-
	Ireland	-	10	-	-
	France	-	11	-	-
	Denmark	-	6	-	12
	Australia	-	10	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
-------------------------	-------------------------

◆ Monitoring methods

EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment

1 of exposure to chemical and biological agents.

2 GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard) .

◆ Derived No effect level(DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
9010-77-9	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
9004-36-8	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
27138-31-4	Inhalation	No data available	No data available	No data available	1.7 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
126-13-6	Inhalation	No data available	No data available	2 mg/m <sup>3</sup>	1~2 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
8012-95-1	Inhalation	No data available	No data available	No data available	10 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
77-90-7	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
5888-33-5	Inhalation	No data available	No data available	10 mg/m <sup>3</sup>	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
63148-65-2	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
8001-22-7	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
8050-31-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
13463-67-7	Inhalation	No data available	No data available	No data available	4.4 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
5281-4-9	Inhalation	No data available	No data available	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available

5 / 13

	Dermal	No data available	No data available	No data available	No data available
12227-89-3	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
3844-45-9	Inhalation	No data available	No data available	No data available	4 mg/m
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
1934-21-0	Inhalation	No data available	No data available	10 mg/m	10 mg/m
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	No information available
--	--------------------------

Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

Personal protection equipment

General requirement	No special requirements, please see the description below.
Eye protection	In general situation, eye protection is not needed. In the production process, when contacting with dust, tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
Hand protection	In general situation, hand protection is not needed.
Respiratory protection	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	In general situation, skin and body protection are not needed.

## 9 Physical and chemical properties

Physical and chemical properties

Appearance	Colorful Solid.
Odor	Odorless
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup, °C)	Not applicable
Evaporation rate	Not applicable
Flammability	No information available

Upper/lower explosive limits[% (v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	Not applicable
Vapor density (Air = 1)	Not applicable
Relative density (Water = 1)	No information available
Solubility (mg/L)	No information available
n-octanol/water partition coefficient	No information available
Auto-ignition temperature (°C)	No information available
Decomposition temperature (°C)	No information available
Viscosity (mm <sup>2</sup> /s)	Not applicable
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

## 10 Stability and reactivity

### Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	Reacts with active metals and poses an explosive potential or fire.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Active metal, alcohols, aldehydes, carbon disulfide, carbon, sulfur, phosphorus, boron, reducing agents, metallic acetylenes and metallic carbonates.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 Toxicological information

### Acute toxicity

Acute toxicity	No information available
----------------	--------------------------

### Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	9010-77-9	Ethylene/Acrylic Acid Copolymer	Not Listed	Not Listed
2	9004-36-8	Cellulose Acetate Butyrate	Not Listed	Not Listed
3	27138-31-4	Dipropylene glycol dibenzoate	Not Listed	Not Listed
4	126-13-6	Sucrose acetate iso-butyrate	Not Listed	Not Listed
5	8012-95-1	Paraffinum liquidum	Not Listed	Not Listed
6	77-90-7	Acetyl Tributyl Citratel	Not Listed	Not Listed
7	5888-33-5	Isobornyl Acrylate	Not Listed	Not Listed
8	63148-65-2	Polyurethane butyral	Not Listed	Not Listed
9	8001-22-7	Glycine Soja Oil	Not Listed	Not Listed
10	8050-31-5	Glyceryl Rosinate	Not Listed	Not Listed
11	13463-67-7	Titanium dioxide	Not Listed	Not Listed
12	5281-4-9	Red 7	Not Listed	Not Listed
13	12227-89-3	Black Iron Oxide	Not Listed	Not Listed
14	3844-45-9	FD&C blue 1	Not Listed	Not Listed
15	1934-21-0	FD&C yellow 5	Not Listed	Not Listed



## Others

Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye met damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

## 12 Ecological information

### Acute aquatic toxicity

Acute aquatic toxicity	No information available
------------------------	--------------------------

### Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
--------------------------	--------------------------

### Persistence and degradability

Chronic aquatic toxicity	No information available
--------------------------	--------------------------

### Bioaccumulative potential

Chronic aquatic toxicity	No information available
--------------------------	--------------------------

### Mobility in soil

Chronic aquatic toxicity	No information available
--------------------------	--------------------------

## Results of PBT and vPvB assessment

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 2015/830)
Ethylene/Acrylic Acid Copolymer	9010-77-9	not PBT/vPvB
Cellulose Acetate Butyrate	9004-36-8	not PBT/vPvB
Dipropylene glycol dibenzoate	27138-31-4	not PBT/vPvB
Sucrose acetate iso-butyrate	126-13-6	not PBT/vPvB
Paraffinum liquidum	8012-95-1	not PBT/vPvB
Acetyl Tributyl Citratel	77-90-7	not PBT/vPvB
Isobornyl Acrylate	5888-33-5	not PBT/vPvB
Polyurethane butyral	63148-65-2	not PBT/vPvB
Glycine Soja Oil	8001-22-7	not PBT/vPvB
Glyceryl Rosinate	8050-31-5	not PBT/vPvB
Titanium dioxide	13463-67-7	not PBT/vPvB
Red 7	5281-4-9	not PBT/vPvB
Black Iron Oxide	12227-89-3	not PBT/vPvB
FD&C blue 1	3844-45-9	not PBT/vPvB
FD&C yellow 5	1934-21-0	not PBT/vPvB

## 13 Disposal considerations

### Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section 13.1 and 13.2.

## 14 Transport information

### Label and Mark

Transporting Label	Not applicable
--------------------	----------------

### IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
-----------	--

### ICAO/IATA-DGR

ICAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
---------------	--

### UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
--------	--

## 15 Regulatory information

### International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Dipropylene glycol dibenzoate	×	✓	✓	✓	✓	✓	✓	✓	✓
Sucrose acetate iso-butyrate	×	✓	✓	✓	✓	✓	✓	✓	✓
Paraffinum liquidum	✓	✓	✓	✓	✓	✓	✓	✓	✓
Acetyl Tributyl Citratel	✓	✓	✓	✓	✓	✓	✓	✓	✓
Isobornyl Acrylate	×	✓	✓	✓	✓	✓	✓	✓	×
Polyurethane butyral	×	×	×	×	×	×	×	×	×
Glycine Soja Oil	✓	✓	✓	✓	✓	✓	✓	✓	×
Glyceryl Rosinate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Titanium dioxide	✓	✓	✓	✓	✓	✓	✓	✓	✓
Red 7	✓	✓	✓	✓	✓	✓	✓	✓	✓
Black Iron Oxide	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD&C blue 1	✓	✓	✓	✓	✓	✓	✓	✓	✓
FD&C yellow 5	✓	✓	✓	✓	✓	✓	✓	✓	✓

【 EINECS 】 European Inventory of Existing Commercial Chemical Substances

【 TSCA 】 United States Toxic Substances Control Act Inventory

【 DSL 】 Canadian Domestic Substances List

【 IECSC 】 China Inventory of Existing Chemical Substances

【 NZIoC 】 New Zealand Inventory of Chemicals

【 PICCS 】 Philippines Inventory of Chemicals and Chemical Substances

【 KECI 】 Existing and Evaluated Chemical Substances

【 AICS 】 Australia Inventory of Chemical Substances

【 ENCS 】 Existing And New Chemical Substances

## European chemical inventory

Component	A	B	C	D	E	F	G
Dipropylene glycol dibenzoate	×	×	×	✓	×	×	×
Sucrose acetate iso-butyrate	×	×	×	✓	×	×	×
Paraffinum liquidum	×	×	×	✓	✓	×	×
Acetyl Tributyl Citratel	×	×	×	✓	✓	✓	×
Isobornyl Acrylate	×	×	×	✓	✓	×	×
Polyurethane butyral	×	×	×	✓	✓	×	×
Glycine Soja Oil	×	×	×	✓	×	×	×
Glyceryl Rosinate	×	×	×	✓	✓	✓	×
Titanium dioxide	×	×	✓	✓	✓	×	×
Red 7	×	×	×	✓	✓	×	×
Black Iron Oxide	×	×	✓	✓	✓	×	×
FD&C blue 1	×	×	✓	✓	✓	×	×
FD&C yellow 5	×	×	×	✓	✓	×	×

【A】 Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

【B】 Substances requiring authorisation under EU REACH regulation

【C】 Substances restricted under EU REACH

【D】 Pre-registered substances under EU REACH

【E】 Registered substances under EU REACH

【F】 Substance Evaluation – CoRAP under EU REACH

【G】 List of priority substances under EU water policy  
(Directive 2455/2001/EC) Note

“✓” Indicates that the substance included in the  
regulations “×” That no data or included in the regulations

## 16 Others

### Information on revision

Creation Date	2019/07/31
Revision Date	2019/07/31
Reason for revision	-

### Reference

- [1]IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.  
 [2]IARC, website: <http://www.iarc.fr/>.  
 [3]OECD: The Global Portal to Information on Chemical Substances, website: [http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en).  
 [4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.  
 [5]NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.  
 [6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.  
 [7]U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.  
 [8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

### Abbreviations and acronyms

<b>CAS</b> –Chemical Abstracts Service	<b>CMR</b> - Carcinogens, mutagens or substances toxic to reproduction
<b>PC-STEL</b> - Short term exposure limit	<b>PC-TWA</b> - Time Weighted Average
<b>DNEL</b> - Derived No Effect Level	<b>IARC</b> - International Agency for Research on Cancer
<b>RPE</b> - Respiratory Protective Equipment	<b>PNEC</b> –Predicted No Effect Concentration
<b>LC<sub>50</sub></b> - Lethal Concentration 50%	<b>LD<sub>50</sub></b> - Lethal Dose 50%
<b>NOEC</b> -No Observed Effect Concentration	<b>EC<sub>50</sub></b> - Effective Concentration 50%
<b>PBT</b> - Persistent, Bioaccumulative, Toxic	<b>POW</b> - Partition coefficient Octanol: Water
<b>BCF</b> - Bioconcentration factor (BCF)	<b>vPvB</b> - very Persistent, very Bioaccumulative
<b>IMDG</b> -International Maritime Dangerous Goods	<b>ICAO/IATA</b> -International Civil Aviation Organization/International Air Transportation Association
<b>UN</b> -The United Nations	<b>ACGIH</b> -American Conference of Governmental Industrial Hygienists
<b>NFPA</b> -National Fire Protection Association	<b>OECD</b> -Organization for Economic Co-operation and Development

### Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

# Safety Data Sheet

Version: V1.0.0.1

Creation Date: 2019/06/25

Revision Date: 2019/06/25

**\*Prepared according to EU regulation No. 2015/830**

## 1 Identification of the substance/mixture and of the company/undertaking

### Product identifier

Product Name	Tattoo Wipes
CAS No.	---
EC No.	---
Molecular Formula	---

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Use for skins.
Uses advised against	Use for skins.

### Details of the supplier of the Safety Data Sheet

Name of the company	Guangzhou Fitprint Enterprise.,Ltd
Address of the company	Building A3, No.,17 Tanxi Road, Tangbian Village, Shapu, Xintang Town, Zengcheng District, Guangzhou.
Post code	510663
Telephone number	020-32199898
Fax number	020-32199898
E-mail address	sale@tiebeauty.com.cn

### Emergency phone number

Emergency phone number	020-32199898
------------------------	--------------

## 2 Hazards identification

### CLP classification according to Regulation (EC) No. 1272/2008

According to Regulation (EC) No 1272/2008 and its amendments. Not classified as a dangerous substance.

### Label elements

Hazard pictograms	None
Signal word	Not applicable
Hazard statements	Not applicable

### Precautionary statements

## ◆ Prevention

Prevention	Not applicable
------------	----------------

## ◆ Response

Response	Not applicable
----------	----------------

## ◆ Storage

Storage	Not applicable
---------	----------------

## ◆ Disposal

Disposal	Not applicable
----------	----------------

## | Other hazards

	Not applicable
--	----------------

**3** Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
Isopropyl Pamitate	142-91-6	205-571-1	-	Not Classified	86.30
Glycerine	56-81-5	56-81-5	-	Not Classified	10.62
Butyl butoxyacetate	10397-22-5	-	-	Not Classified	3.00
Lemon oil	8008-56-8	289-753-6	-	Not Classified	0.08

**4** First aid measures

## | Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

## | Most important symptoms and effects, both acute and delayed

1	Please see section 11.
---	------------------------

## | Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

**5** Firefighting measures

2/9

**Extinguishing media**

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

**Specific hazards arising from the substance or mixture**

1	Not flammable, not considered a significant fire risk, however containers may burn.
---	---

**Advice for firefighters**

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Personal precautions, protective equipment and emergency procedures**

1	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

**6 Accidental release measures****Environmental precautions**

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up**

1	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

**7 Handling and storage****Precautions for handling****◆ Protective measures**

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.

**◆ Measures to prevent fire**

1	Keep away from heat/sparks/open flames/ hot surfaces.
---	---

**◆ Measures to prevent aerosol and dust generation**

1	Avoid formation of dust and aerosols.
2	Provide appropriate exhaust ventilation at places where dust is formed.

**◆ Advice on general occupational hygiene**

1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.



### Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed .
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

### Specific end uses

1	In addition to use mentioned in the first parts, unforeseen other specific end uses.
---	--

## 8 Exposure controls/personal protection

### Control parameters

#### Occupational Exposure limit values

Occupational Exposure limit values	No information available
------------------------------------	--------------------------

#### Biological limit values

Biological limit values	No information available
-------------------------	--------------------------

#### Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard) .

#### Derived No effect level(DNEL)

Cas No.	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
142-91-6	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
56-81-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
10397-22-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
8008-56-8	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

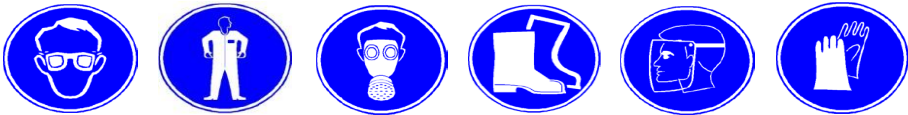
#### Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	No information available
--	--------------------------

### Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.
4	Set up emergency exit and necessary risk-elimination area.

## Personal protection equipment

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).
Hand protection	Wear protective gloves( such as butyl rubber ), passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	Wear fire/flamm resistant/retardant clothing and antistatic boots.

## 9 Physical and chemical properties

### Physical and chemical properties

Appearance	Colorless liquid
Odor	Weak odor
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup, °C)	No information available
Evaporation rate	No information available
Flammability	Not flammable
Upper/lower explosive limits[% (v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	No information available
Vapor density(Air=1)	No information available
Relative density(Water=1)	0.86-0.95
Solubility(mg/L)	Miscible with water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Viscosity(mm²/s)	No information available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

## 10 Stability and reactivity

## | Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	In contact with oxidants causes severe reactions, and may cause a fire or explosion. In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Oxidants, alkali metals, alkaline earth metals and aluminum. Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11** Toxicological information

## | Acute toxicity

Acute toxicity	No information available
----------------	--------------------------

## | Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	142-91-6	Isopropyl Pamitate	Not Listed	Not Listed
2	56-81-5	Glycerine	Not Listed	Not Listed
3	10397-22-5	Butyl butoxyacetate	Not Listed	Not Listed
4	8008-56-8	Lemon oil	Not Listed	Not Listed

## | Others

Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

**12** Ecological information

## | Acute aquatic toxicity

Acute aquatic toxicity	No information available
------------------------	--------------------------

## | Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
--------------------------	--------------------------

## | Persistence and degradability

Persistence and degradability	No information available
-------------------------------	--------------------------

## | Bioaccumulative potential

Bioaccumulative potential	No information available
---------------------------	--------------------------

## | Mobility in soil

Mobility in soil	No information available
------------------	--------------------------

## | Results of PBT and vPvB assessment

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 2015/830)
Isopropyl Pamitate	142-91-6	not PBT/vPvB
Glycerine	56-81-5	not PBT/vPvB
Butyl butoxyacetate	10397-22-5	not PBT/vPvB
Lemon oil	8008-56-8	not PBT/vPvB

**13** Disposal considerations

## | Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section 13.1 and 13.2.

**14** Transport information

## | Label and Mark

Transporting Label	Not applicable
--------------------	----------------

## | IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
-----------	--

## | ICAO/IATA-DG

ICAO/IATA-DG	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
--------------	--

## | UN-ADR

UN-ADR | NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**15** Regulatory information

## | International chemical inventory

Cas No.	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
142-91-6	√	√	√	√	√	√	√	√	√
56-81-5	√	√	√	√	√	√	√	√	√
10397-22-5	×	√	√	√	√	√	√	√	√
8008-56-8	√	√	√	√	√	√	√	√	√

【 EINECS 】 European Inventory of Existing Commercial Chemical Substances

【 TSCA 】 United States Toxic Substances Control Act Inventory

【 DSL 】 Canadian Domestic Substances List

【 IECSC 】 China Inventory of Existing Chemical Substances

【 NZIoC 】 New Zealand Inventory of Chemicals

【 PICCS 】 Philippines Inventory of Chemicals and Chemical Substances

【 KECI 】 Existing and Evaluated Chemical Substances

【 AICS 】 Australia Inventory of Chemical Substances

【 ENCS 】 Existing And New Chemical Substances

## | European chemical inventory

Cas No.	A	B	C	D	E	F	G
142-91-6	×	×	×	×	×	×	×
56-81-5	×	×	×	×	×	×	×
10397-22-5	×	×	×	×	×	×	×
8008-56-8	×	×	×	×	×	×	×

【 A 】 Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

【 B 】 Substances requiring authorisation under EU REACH regulation

【 C 】 Substances restricted under EU REACH

【 D 】 Pre-registered substances under EU REACH

【 E 】 Registered substances under EU REACH

【 F 】 Substance Evaluation – CoRAP under EU REACH

【 G 】 List of priority substances under EU water policy ( Directive 2455/2001/EC )

## Note

“√” Indicates that the substance included in the regulations “×”  
That no data or included in the regulations

**16 Others****Information on revision**

Creation Date	2019/06/25
Revision Date	2019/06/25
Reason for revision	-

**Reference**

[1]IPCS:The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>.

[2]IARC, website: <http://www.iarc.fr/>.

[3] OECD: The Global Portal to Information on Chemical Substances, website: [http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en).

[4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

[5]NLM:ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

[6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

[7]U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

[8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

**Abbreviations and acronyms**

**CAS** –Chemical Abstracts Service

**PC-STEL**- Short term exposure limit

**DNEL** - Derived No Effect Level

**RPE** - Respiratory Protective Equipment

**LC<sub>50</sub>** - Lethal Concentration 50%

**NOEC** -No Observed Effect Concentration

**PBT** - Persistent, Bioaccumulative, Toxic

**BCF** - Bioconcentration factor (BCF)

**IMDG**-International Maritime Dangerous Goods

**UN**-The United Nations

**NFPA**-National Fire Protection Association

**CMR** - Carcinogens, mutagens or substances toxic to reproduction

**PC-TWA** - Time Weighted Average

**IARC** - International Agency for Research on Cancer

**PNEC** –Predicted No Effect Concentration

**LD<sub>50</sub>** - Lethal Dose 50%

**EC<sub>50</sub>** - Effective Concentration 50%

**POW** - Partition coefficient Octanol:Water

**vPvB** - very Persistent, very Bioaccumulative

**ICAO/IATA**-International Civil Aviation Organization/International Air Transportation Association

**ACGIH**-American Conference of Governmental Industrial Hygienists

**OECD**-Organization for Economic Co-operation and Development

**Disclaimer**

This Safety Data Sheet (SDS) was prepared according to REACh Regulation The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.