

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Name : LB-74000-00145 SB Yellow
 Product code : LB-74000-00145
 Synonyms : LB-74000-00145-Q Yellow, 74000-00145 Yellow, 74000-00145-Q Yellow

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Ink

1.3. Details of the supplier of the safety data sheet

Paul Leibinger Inc.
 2702 Buell Drive, Suite B
 East Troy, WI 53120
 United States of America

Phone: 262-642-4030
 Fax: 262-642-4033

1.4. Emergency telephone number

Country	Organization/Company	Address	Emergency number
UNITED STATES OF AMERICA	Chemtrec		1 800 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 2 H225
 Eye Dam. 1 H318
 STOT SE 3 H336

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapor
 H318 - Causes serious eye damage
 H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-US) :

P210 - Keep away from heat, open flames, sparks. - No smoking
 P233 - Keep container tightly closed
 P243 - Take precautionary measures against static discharge
 P261 - Avoid breathing fume, vapors
 P271 - Use only outdoors or in a well-ventilated area
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
butanone	(CAS No) 78-93-3	>= 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
2-methoxy-1-methylethyl acetate	(CAS No) 108-65-6	1 - 50	Flam. Liq. 3, H226
cellulose nitrate	(CAS No) 9004-70-0	5 - 15	Expl. 1.1, H201
isopropanol	(CAS No) 67-63-0	5 - 15	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
polyvinylpyrrolidone	(CAS No) 9003-39-8	5 - 15	Not classified
ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate	(CAS No) 687-47-8	5 - 15	Flam. Liq. 3, H226 Eye Dam. 1, H318 STOT SE 3, H335
Diprotium oxide	(CAS No) 7732-18-5	5 - 15	Not classified

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause drowsiness or dizziness.
- Symptoms/injuries after eye contact : Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapor.
- Explosion hazard : May form flammable/explosive vapor-air mixture.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing fume, vapors.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing fume, Vapors.

Hygiene measures : Wash Skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof Flame proof, lighting, electrical equipment and ventilation equipment.

Storage conditions : Keep in fireproof place. Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat-ignition.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

LB-74000-00145 Yellow		
ACGIH	Not applicable	
OSHA	Not applicable	
butanone (78-93-3)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	300 ppm
ACGIH	Remark (ACGIH)	URT irr; CNS & PNS impair
OSHA	OSHA PEL (TWA) (mg/m ³)	590 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
isopropanol (67-63-0)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	400 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr; CNS impair

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isopropanol (67-63-0)		
OSHA	OSHA PEL (TWA) (mg/m ³)	980 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
polyvinylpyrrolidone (9003-39-8)		
ACGIH	ACGIH TWA (mg/m ³)	3 mg/m ³
OSHA	Not applicable	
cellulose nitrate (9004-70-0)		
ACGIH	Not applicable	
OSHA	Not applicable	
ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate (687-47-8)		
ACGIH	Not applicable	
OSHA	Not applicable	
2-methoxy-1-methylethyl acetate (108-65-6)		
ACGIH	Not applicable	
OSHA	Not applicable	
Dipotium oxide (7732-18-5 .)		
ACGIH	Not applicable	
OSHA	Not applicable	

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.

Personal protective equipment : Protective goggles. Gloves.



Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available

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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: In water, material is partially soluble. Water: Solubility in water of component(s) of the mixture : • butanone, ethyl methyl ketone: 28 g/100ml • propan-2-ol, isopropyl alcohol, isopropanol: • : > 30 g/100ml • 2-methoxy-1-methylethyl acetate: 19,8 g/100ml • ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate:
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
(Based on available data, the classification criteria are not met)

butanone (78-93-3)	
LD50 oral rat	2737 mg/kg (Rat; Equivalent or similar to OECD 423; Read-across; 2054 mg/kg; Rat; Equivalent or similar to OECD 423; Read-across; 2328 mg/kg; Rat)
LD50 dermal rabbit	6480 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; >10; Rabbit)
LC50 inhalation rat (mg/l)	34 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	11300 ppm/4h (Rat; Literature study)
ATE US (oral)	2737,000 mg/kg body weight
ATE US (dermal)	6480,000 mg/kg body weight
ATE US (gases)	11300,000 ppmV/4h
ATE US (vapors)	34,000 mg/l/4h
ATE US (dust, mist)	34,000 mg/l/4h
isopropanol (67-63-0)	
LD50 oral rat	5045 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 5840 mg/kg bodyweight; Rat)
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
ATE US (oral)	5045,000 mg/kg body weight
ATE US (dermal)	12870,000 mg/kg body weight

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isopropanol (67-63-0)	
ATE US (vapors)	73,000 mg/l/4h
ATE US (dust, mist)	73,000 mg/l/4h
polyvinylpyrrolidone (9003-39-8)	
LD50 oral rat	100000 mg/kg (Rat)
LD50 dermal rat	> 12000 mg/kg (Rat)
ATE US (oral)	100000,000 mg/kg body weight
cellulose nitrate (9004-70-0)	
LD50 oral rat	> 5000 mg/kg (Rat)
ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate (687-47-8)	
LD50 oral rat	> 5000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >2000 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit; Literature study)
2-methoxy-1-methylethyl acetate (108-65-6)	
LD50 oral rat	6190 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rat	> 2000 mg/kg (Rat; Experimental value; Equivalent or similar to OECD 402)
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
ATE US (oral)	6190,000 mg/kg body weight

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

isopropanol (67-63-0)	
IARC group	3 - Not classifiable
polyvinylpyrrolidone (9003-39-8)	
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)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after eye contact	: Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

butanone (78-93-3)	
LC50 fish 1	1690 mg/l (96 h; Lepomis macrochirus; Lethal)
EC50 Daphnia 1	308 mg/l (48 h; Daphnia magna; Locomotor effect)
LC50 fish 2	2990 mg/l (96 h; Pimephales promelas)
TLM fish 1	5600 mg/l (96 h; Gambusia affinis)

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butanone (78-93-3)	
TLM fish 2	1690 mg/l (96 h; Lepomis macrochirus)
TLM other aquatic organisms 1	> 1000 ppm (96 h)
Threshold limit algae 1	110 mg/l (168 h; Microcystis aeruginosa)
Threshold limit algae 2	4300 mg/l (192 h; Scenedesmus quadricauda)
isopropanol (67-63-0)	
LC50 fish 1	4200 mg/l (96 h; Rasbora heteromorpha; Flow-through system)
EC50 Daphnia 1	> 10000 mg/l (48 h; Daphnia magna)
LC50 fish 2	9640 mg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 2	13299 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (72 h; Scenedesmus subspicatus; Growth rate)
Threshold limit algae 2	1800 mg/l (72 h; Algae; Cell numbers)
polyvinylpyrrolidone (9003-39-8)	
LC50 fish 1	> 10000 mg/l (96 h; Leuciscus idus)
ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate (687-47-8)	
LC50 fish 1	320 mg/l (96 h; Brachydanio rerio)
LC50 other aquatic organisms 1	100 - 1000 mg/l (96 h)
EC50 Daphnia 1	683 mg/l (48 h; Daphnia magna; GLP)
LC50 fish 2	100 - 1000 mg/l (96 h; Pisces)
TLM fish 1	100 - 1000,96 h; Pisces
TLM other aquatic organisms 1	100 - 1000,96 h
Threshold limit other aquatic organisms 1	100 - 1000,96 h
Threshold limit algae 1	320 mg/l (72 h; Selenastrum capricornutum)
Threshold limit algae 2	3500 mg/l (72 h; Selenastrum capricornutum; Growth rate)
2-methoxy-1-methylethyl acetate (108-65-6)	
LC50 fish 1	161 mg/l (96 h; Pimephales promelas; Static system)
EC50 Daphnia 1	380 mg/l (48 h; Daphnia magna; Nominal concentration)
LC50 fish 2	100 - 180 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)
Threshold limit algae 1	>= 1000 mg/l (96 h; Pseudokirchneriella subcapitata; Nominal concentration)
Threshold limit algae 2	> 1000 mg/l (96 h; Pseudokirchneriella subcapitata; Nominal concentration)

12.2. Persistence and degradability

LB-74000-00145 Yellow	
Persistence and degradability	Not established.
butanone (78-93-3)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Biodegradable in soil in anaerobic condition.
Biochemical oxygen demand (BOD)	1,92 g O ₂ /g substance
Chemical oxygen demand (COD)	2,31 g O ₂ /g substance
ThOD	2,44 g O ₂ /g substance
BOD (% of ThOD)	> % ThOD (5 day(s)) > 0.5
isopropanol (67-63-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Biodegradable in soil in anaerobic condition. No (test)data available on mobility of the substance. Not established.
Biochemical oxygen demand (BOD)	1,19 g O ₂ /g substance
Chemical oxygen demand (COD)	2,23 g O ₂ /g substance
ThOD	2,40 g O ₂ /g substance
BOD (% of ThOD)	0,49 % ThOD
polyvinylpyrrolidone (9003-39-8)	
Persistence and degradability	Not readily biodegradable in water.
cellulose nitrate (9004-70-0)	
Persistence and degradability	Biodegradability in water: no data available.

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ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate (687-47-8)	
Persistence and degradability	Readily biodegradable in water. No straightforward conclusion can be drawn based upon the available numerical values.
ThOD	1,35 g O ₂ /g substance
2-methoxy-1-methylethyl acetate (108-65-6)	
Persistence and degradability	Readily biodegradable in water. Readily biodegradable in soil. Low potential for adsorption in soil.
Diprotium oxide (7732-18-5 .)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
butanone (78-93-3)	
Log Pow	0,3 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 40 °C)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).
isopropanol (67-63-0)	
Log Pow	0,05 (Experimental value)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4). Not established.
polyvinylpyrrolidone (9003-39-8)	
Bioaccumulative potential	Bioaccumulation: No data available.
cellulose nitrate (9004-70-0)	
Bioaccumulative potential	Bioaccumulation: No data available.
ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate (687-47-8)	
Log Pow	0,31 (QSAR; 20 °C; 0,31; QSAR; 20 °C)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).
2-methoxy-1-methylethyl acetate (108-65-6)	
Log Pow	1,2 (Experimental value; Equivalent or similar to OECD 117; 20 °C; 0,36; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).
Diprotium oxide (7732-18-5 .)	
Bioaccumulative potential	Bioaccumulation: Not applicable.

12.4. Mobility in soil

butanone (78-93-3)	
Surface tension	0,024 N/m (20 °C)
Ecology - soil	Slightly harmful to plants.
isopropanol (67-63-0)	
Surface tension	0,021 N/m (25 °C)
ethyl (S)-2-hydroxypropionate, ethyl L-lactate, ethyl-(S)-lactate (687-47-8)	
Surface tension	0,07 N/m (20 °C; 1 g/l)
2-methoxy-1-methylethyl acetate (108-65-6)	
Surface tension	0,0294 N/m (20 °C; 100 vol %)

12.5. Other adverse effects

Effect on the global warming	: No known ecological damage caused by this product.
Other information	: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapors are flammable.

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Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1210 Printing ink, flammable (CONTAINS ; cellulose nitrate(9004-70-0) ; butanone(78-93-3) ; isopropanol(67-63-0) ; ethyl (S)-2-hydroxypropionate(687-47-8) ; 2-methoxy-1-methylethyl acetate(108-65-6)), 3, II

UN-No.(DOT) : UN1210

Proper Shipping Name (DOT) : Printing ink, flammable
CONTAINS ; cellulose nitrate(9004-70-0) ; butanone(78-93-3) ; isopropanol(67-63-0) ; ethyl (S)-2-hydroxypropionate(687-47-8) ; 2-methoxy-1-methylethyl acetate(108-65-6)

Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger

DOT Packaging Non Bulk (49 CFR 173.xxx) : 173

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons).
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

UN-No. (IMDG) : 1210

Proper Shipping Name (IMDG) : PRINTING INK

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : II - substances presenting medium danger

Air transport

UN-No. (IATA) : 1210

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Proper Shipping Name (IATA) : Printing ink
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

butanone (78-93-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not listed on the United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
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isopropanol (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on United States SARA Section 313

polyvinylpyrrolidone (9003-39-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ethyl (S)-2-hydroxypropionate (687-47-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2-methoxy-1-methylethyl acetate (108-65-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Diprotium oxide (7732-18-5 .)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Revision date : 06/24/2015
Other information : None.

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Full text of H-phrases:

Expl. 1.1	Explosive Category 1.1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H201	Explosive; mass explosion hazard
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

NFPA health hazard

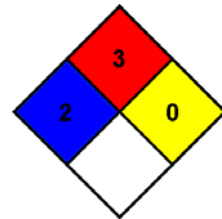
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)

Physical

: 0 Minimal Hazard - 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

B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

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