

1. Product and company identification

Product identifier

Trade name: 635L16 - Spray Lacquer, dark brown

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

General use: Varnish.
For commercial user only.

Details of the supplier of the safety data sheet

Company name: Otto Bock Health Care
Street/POB-No.: 3820 W. Great Lakes Drive
Postal Code, city: Salt Lake City, UT 84120
USA
WWW: www.ottobockus.com
Telephone: +1 (801) 956-2400
Telefax: +1 (801) 956-2401
Department responsible for information:
Quality Department,
Telephone: +1 (801) 954-2304 (7 AM – 3 PM, Mountain Time),
Email: USRegulatory@ottobock.com

Additional information: Corporate headquarters:
Ottobock SE & Co. KGaA
Max-Näder-Straße 15
Duderstadt
Germany

Emergency phone number

CHEMTREC, Telephone: +1 (800) 424-9300

Transport:

CONSULTANK Lutz Harder GmbH (Contract QUALI003)

Telephone: +49 (0)178-4337434 (from USA: 01149 178 4337434)

2. Hazards identification

Emergency overview

Appearance: Physical state at 68 °F and 101.3 kPa: liquid
Form: Aerosol
Color: brown
Odor: Characteristic
Classification: Flammable Aerosol - Category 1. Compressed Gas. Eye Irritation - Category 2A.
Specific Target Organ Toxicity (Single Exposure) - Category 3.

Hazard symbols:



Signal word: **Danger**

Hazard statements:

- Extremely flammable aerosol.
- Contains gas under pressure; may explode if heated.
- Causes serious eye irritation.
- May cause drowsiness or dizziness.

Precautionary statements:

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on an open flame or other ignition source.
- Do not pierce or burn, even after use.
- Avoid breathing spray.
- Wear protective gloves/protective clothing/eye protection.
- Call a POISON CENTER/doctor if you feel unwell.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified

- Potentially explosive mixtures may form if adequate ventilation is not provided.
- Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
- Higher doses may lead to a narcotic effect.
- The product is skin resorptive.
- Endocrine disrupting properties:
- Butanone, CAS 78-93-3: List II
- see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Blend of active ingredients with propellant.

Relevant ingredients:

CAS No.	Designation	Concentration	Classification
CAS 67-64-1	Acetone	25 - 50 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 9004-70-0	Nitrocellulose	2.5 - 5 %	Explosive - Category 1.1.
CAS 123-86-4	n-Butyl acetate	2.5 - 5 %	Flammable Liquid - Category 3. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 108-65-6	2-Methoxy-1-methylethyl acetate	2.5 - 5 %	Flammable Liquid - Category 3. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 1330-20-7	Xylene (isomeric mixture)	2.5 - 5 %	Flammable Liquid - Category 3. Acute Toxicity - dermal - Category 4. Acute Toxicity - inhalative - Category 4. Skin Irritation - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3. Specific Target Organ Toxicity (Repeated Exposure) - Category 2. Aspiration Toxicity - Category 1. Aquatic toxicity - chronic - Category 3.
CAS 64-17-5	Ethanol	2.5 - 5 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A.
CAS 78-93-3	Butanone	1 - 2.5 %	Flammable Liquid - Category 2. Eye Irritation - Category 2A. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 100-41-4	Ethylbenzene	< 1 %	Flammable Liquid - Category 2. Acute Toxicity - inhalative - Category 4. Specific Target Organ Toxicity (Repeated Exposure) - Category 2. Aspiration Toxicity - Category 1.
CAS 7397-62-8	Glycollic acid butyl ester	< 1 %	Eye Damage - Category 1. Reproductive toxicant - Category 2.
CAS 71-36-3	Butan-1-ol	< 1 %	Flammable Liquid - Category 3. Acute Toxicity - oral - Category 4. Skin Irritation - Category 2. Eye Damage - Category 1. Specific Target Organ Toxicity (Single Exposure) - Category 3.
CAS 74-98-6	Propane	10 - 25 %	Flammable Gas - Category 1. Compressed Gas.
CAS 106-97-8	Butane, <0,1% Butadiene	5 - 10 %	Flammable Gas - Category 1. Compressed Gas.
CAS 75-28-5	i-Butane, <0,1% Butadiene	5 - 10 %	Flammable Gas - Category 1. Compressed Gas.

Additional information: Contains Titanium dioxide and Bentonite: The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

Most important symptoms/effects, acute and delayed

May cause drowsiness or dizziness.
Causes serious eye irritation.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Higher doses may lead to a narcotic effect.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:	-47.2 °F
Auto-ignition temperature:	Not self-igniting
Suitable extinguishing media:	Extinguishing powder, alcohol resistant foam, carbon dioxide.
Extinguishing media which must not be used for safety reasons:	Full water jet

Specific hazards arising from the chemical

Extremely flammable aerosol. Pressurised container: May burst if heated.
May form dangerous gases and vapors in case of fire.
Furthermore, there may develop: nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:	Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.
Additional information:	Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not allow fire water to penetrate into surface or ground water. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions:	Do not breathe vapors and spray. Avoid contact with the substance. Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Keep unprotected people away. Cordon off downwind area at risk and warn inhabitants.
Environmental precautions:	Do not allow to enter into ground-water, surface water or drains. Danger of explosion! In case of release, notify competent authorities.
Methods for clean-up:	Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Thoroughly clean surrounding area. In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

7. Handling and storage

Handling

Advices on safe handling:	Provide adequate ventilation, and local exhaust as needed. Do not breathe vapors and spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Guarantee sufficient ventilation during and after use, in order to prevent vapor accumulation. Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.
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Precautions against fire and explosion:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.
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Storage

Requirements for storerooms and containers:	Keep container tightly closed and in a well-ventilated place. Keep container dry. Keep only in the original container. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store containers in upright position.
Hints on joint storage:	Keep away from food, drink and animal feedingstuffs.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-64-1	Acetone	USA: ACGIH: STEL	500 ppm
		USA: ACGIH: TWA	250 ppm
		USA: IDLH: TWA	2,500 ppm
		USA: NIOSH: TWA	590 mg/m ³ ; 250 ppm
		USA: OSHA: TWA	2,400 mg/m ³ ; 1,000 ppm
123-86-4	n-Butyl acetate	USA: ACGIH: STEL	150 ppm
		USA: ACGIH: TWA	50 ppm
		USA: IDLH: TWA	1,700 ppm
		USA: NIOSH: STEL	950 mg/m ³ ; 200 ppm
		USA: NIOSH: TWA	710 mg/m ³ ; 150 ppm
1330-20-7	Xylene (isomeric mixture)	USA: OSHA: TWA	710 mg/m ³ ; 150 ppm
		USA: ACGIH: TWA	20 ppm
		USA: IDLH: TWA	900 ppm
		USA: NIOSH: STEL	655 mg/m ³ ; 150 ppm
		USA: NIOSH: TWA	435 mg/m ³ ; 100 ppm
64-17-5	Ethanol	USA: OSHA: TWA	435 mg/m ³ ; 100 ppm
		USA: ACGIH: STEL	1,000 ppm
		USA: IDLH: TWA	3,300 ppm [10% LEL]
		USA: NIOSH: TWA	1,900 mg/m ³ ; 1,000 ppm
		USA: OSHA: TWA	1,900 mg/m ³ ; 1,000 ppm
78-93-3	Butanone	USA: ACGIH: STEL	150 ppm
			(may be absorbed through the skin)
		USA: ACGIH: TWA	75 ppm
			(may be absorbed through the skin)
		USA: IDLH: TWA	3,000 ppm
100-41-4	Ethylbenzene	USA: NIOSH: STEL	885 mg/m ³ ; 300 ppm
		USA: NIOSH: TWA	590 mg/m ³ ; 200 ppm
		USA: OSHA: TWA	590 mg/m ³ ; 200 ppm
		USA: ACGIH: TWA	87 mg/m ³ ; 20 ppm
		USA: IDLH: TWA	800 ppm [10% LEL]
71-36-3	Butan-1-ol	USA: NIOSH: STEL	545 mg/m ³ ; 125 ppm
		USA: NIOSH: TWA	435 mg/m ³ ; 100 ppm
		USA: OSHA: TWA	435 mg/m ³ ; 100 ppm
		USA: ACGIH: TWA	61 mg/m ³ ; 20 ppm
		USA: IDLH: TWA	1,400 ppm
74-98-6	Propane	USA: NIOSH: Ceiling	150 mg/m ³ ; 50 ppm
			(may be absorbed through the skin)
		USA: OSHA: TWA	300 mg/m ³ ; 100 ppm
		USA: IDLH: TWA	2,100 ppm [10% LEL]
		USA: NIOSH: TWA	1,800 mg/m ³ ; 1,000 ppm
		USA: OSHA: TWA	1,800 mg/m ³ ; 1,000 ppm

CAS No.	Designation	Type	Limit value
106-97-8	Butane, <0,1% Butadiene	USA: ACGIH: TWA	1,000 ppm
		USA: IDLH: TWA	1,600 ppm [>10% LEL]
		USA: NIOSH: TWA	1,900 mg/m ³ ; 800 ppm
75-28-5	i-Butane, <0,1% Butadiene	USA: ACGIH: TWA	1,000 ppm
		USA: NIOSH: TWA	1,900 mg/m ³ ; 800 ppm
13463-67-7	Titanium dioxide	USA: ACGIH: TWA	0.2 mg/m ³ (nanoparticle, respirable fraction)
		USA: ACGIH: TWA	2.5 mg/m ³ (Fine dust, respirable fraction)
		USA: IDLH: TWA	5,000 mg/m ³
		USA: OSHA: TWA	15 mg/m ³ (total dust)

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
67-64-1	Acetone	USA: ACGIH-BEI, urine	25 mg/L	acetone	end of exposure or end of shift
1330-20-7	Xylene (isomeric mixture)	USA: ACGIH-BEI, urine	0.3 g/g creatinine	Methylhippuric acids in ur	end of exposure or end of shift
78-93-3	Butanone	USA: ACGIH-BEI, urine	2 mg/L	MEK	end of exposure or end of shift
100-41-4	Ethylbenzene	USA: ACGIH-BEI, urine	0.15 g/g creatinine	Sum of mandelic acid and phenylglyoxylic acid in urine	end of shift at end of work week

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Flame retardant, antistatic and chemical resistant protective clothing.

Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Butyl caoutchouc (butyl rubber) (0.7 mm)

Permanent contact: 15 min

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded.

Recommendation: wear a half mask respirator with type A1/P2 filter or better

The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

Do not breathe vapors and spray. Do not get in eyes, on skin, or on clothing. When using do not eat or drink. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.

Environmental exposure controls

Refer to 6.: Section "Environmental precautions".

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 68 °F and 101.3 kPa: liquid Form: Aerosol Color: brown
Odor:	Characteristic
Odor threshold:	Not determined
pH:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point/flash point range:	-47.2 °F
Evaporation rate:	Not applicable
Flammability:	Extremely flammable aerosol.
Explosion limits:	LEL (Lower Explosion Limit): 1.70 Vol-% UEL (Upper Explosive Limit): 13.00 Vol-%
Vapor pressure:	at 68 °F: 3,600 hPa at 122 °F: 800 hPa
Vapor density:	Not determined
Density:	0.833 g/mL
Water solubility:	Slightly miscible
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not self-igniting
Thermal decomposition:	Not determined
Viscosity, dynamic:	Not determined
Viscosity, kinematic:	Not determined
Explosive properties:	Vapors may form explosive mixtures with air.
Ignition temperature:	689 °F (Butane)
Solvent content:	85.6 % (liquid and propellant)
Solid content:	12.0 %
Water content:	0.1 %

10. Stability and reactivity

Reactivity:	Extremely flammable aerosol Vapors may form explosive mixtures with air.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Contains gas under pressure; may explode if heated.
Conditions to avoid:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Incompatible materials:	No data available
Hazardous decomposition products:	No decomposition when used properly.
Thermal decomposition:	Not determined

11. Toxicological information

Toxicological tests

Acute toxicity:	LC50 Rat: 536 - 1,072 mg/l/4h (inhalative)
Toxicological effects:	<p>The statements are derived from the properties of the single components. No toxicological data is available for the product as such.</p> <p>Acute toxicity (oral): Based on available data, the classification criteria are not met.</p> <p>Acute toxicity (dermal): Based on available data, the classification criteria are not met.</p> <p>Acute toxicity (inhalative): Based on available data, the classification criteria are not met.</p> <p>Skin corrosion/irritation: Based on available data, the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.</p> <p>Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.</p> <p>Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.</p> <p>Skin sensitisation: Based on available data, the classification criteria are not met.</p> <p>Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.</p> <p>Carcinogenicity: Based on available data, the classification criteria are not met.</p> <p>Reproductive toxicity: Based on available data, the classification criteria are not met.</p> <p>Effects on or via lactation: Lack of data.</p> <p>Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) - Category 3 = May cause drowsiness or dizziness.</p> <p>Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.</p> <p>Aspiration hazard: Based on available data, the classification criteria are not met.</p>

Other information: Chronic toxicity carcinogenic effect:
 Information about Xylene (isomeric mixture):
 IARC Rating: Group 3
 OSHA Carcinogen: not listed
 NTP Rating: not listed
 Information about Titanium dioxide:
 IARC Rating: Group 2B
 OSHA Carcinogen: not listed
 NTP Rating: not listed

Symptoms

Inhaling can lead to irritations of the respiratory tract and mucous membrane.
 Higher doses may lead to a narcotic effect.
 After contact with skin: Repeated exposure may cause skin dryness or cracking.
 The product is skin resorptive.
 After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

Volatile organic compounds (VOC):

85.58 % by weight

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Do not pierce or burn, even after use.
 Special waste. Dispose of waste according to applicable legislation.
 Do not dispose of with household waste.

Package

Recommendation: Dispose of waste according to applicable legislation.
 Empty carefully and completely, if possible. Handle empty containers with care.
 Incineration may cause explosion.

14. Transport information

UN number

ADR/RID, IMDG, IATA-DGR:

UN 1950

UN proper shipping name

ADR/RID, IMDG: UN 1950, AEROSOLS

IATA-DGR: UN 1950, AEROSOLS, FLAMMABLE

Transport hazard class(es)

ADR/RID: Class 2, Code: 5F

IMDG: Class 2.1, Subrisk -

IATA-DGR: Class 2.1

Packing group

ADR/RID, IATA-DGR: not applicable

IMDG: -

Environmental hazards

Marine pollutant: no

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

No data available

USA: Department of Transportation (DOT)

Identification number: UN1950

Proper shipping name: UN 1950, AEROSOLS

Hazard class or Division: 2.1

Labels: 2.1

Special Provisions: N82

Packaging – Exceptions: 306

Packaging – Non-bulk: None

Packaging – Bulk: None

Quantity limitations – Passenger aircraft / rail:

75 kg

Quantity limitations – Cargo only: 150 kg

Vessel stowage – Location: A

Vessel stowage – Other: 25, 87, 126, 157



Sea transport (IMDG)

UN number:	UN 1950
Proper shipping name::	UN 1950, AEROSOLS
Class or division, Subsidiary risk:	Class 2.1, Subrisk -
Packing Group:	-
EmS:	F-D, S-U
Special Provisions:	63 190 277 327 344 381 959
Limited quantities:	1000 mL
Excepted quantities:	E0
Package - Instructions:	P207, LP200
Package - Provisions:	PP87, L2
IBC - Instructions:	-
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	-
Tank instructions - Provisions:	-
Stowage and handling:	SW1 SW22
Segregation:	SG69
Properties and observations:	-
Marine pollutant:	no
Segregation group:	none

Air transport (IATA)

UN/ID number:	UN 1950
Proper shipping name::	UN 1950, AEROSOLS, FLAMMABLE
Class or division, Subsidiary risk:	Class 2.1
Hazard label:	Flamm. gas
Excepted Quantity Code:	E0
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft:	Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo Aircraft only:	Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special Provisions:	A145 A167 A802
Emergency Response Guide-Code (ERG):	10L

15. Regulatory information

National regulations - U.S. Federal Regulations

Acetone:	<p>TSCA Inventory: listed</p> <p>Clean Air Act:</p> <p>CAA SOCM Chemical: yes</p> <p>Other Environmental Laws:</p> <p>CERCLA: RQ 5000 lbs.</p> <p>RCRA Hazardous Wastes: Code U002</p> <p>RCRA Groundwater Monitoring: Methods 8240 / PQL 100</p> <p>NIOSH Recommendations:</p> <p>Occupational Health Guideline: 0004*</p>
Nitrocellulose:	<p>TSCA Inventory: listed</p> <p>OSHA Process Safety Management: Threshold 02500 lbs.</p>
n-Butyl acetate:	<p>TSCA Inventory: listed</p> <p>Clean Water Act:</p> <p>CWA Hazardous Substances: RQ 5000 lbs.</p> <p>Other Environmental Laws:</p> <p>CERCLA: RQ 5000 lbs.</p> <p>NIOSH Recommendations:</p> <p>Occupational Health Guideline: 0072</p>
2-Methoxy-1-methylethyl acetate:	TSCA Inventory: listed
Xylene (isomeric mixture):	<p>TSCA Inventory: listed</p> <p>Carcinogen Status:</p> <p>IARC Rating: Group 3</p> <p>OSHA Carcinogen: not listed</p> <p>NTP Rating: not listed</p> <p>Clean Air Act:</p> <p>CAA Hazardous Air Pollutants: yes</p> <p>CAA SOCM Chemical: yes</p> <p>Clean Water Act:</p> <p>CWA Hazardous Substances: RQ 100 lbs.</p> <p>Other Environmental Laws:</p> <p>CERCLA: RQ 100 lbs.</p> <p>RCRA Hazardous Wastes: Code U239</p> <p>RCRA Groundwater Monitoring: Methods 8020, 8240 / PQL 5, 5</p> <p>SARA Title III - Section 313, Toxic Release: Conc. 1.0% / Threshold Standard</p>
Ethanol:	<p>TSCA Inventory: listed</p> <p>NIOSH Recommendations:</p> <p>Occupational Health Guideline: 0262</p>
Butanone:	<p>TSCA Inventory: listed</p> <p>Other Environmental Laws:</p> <p>CERCLA: RQ 5000 lbs.</p> <p>RCRA Hazardous Wastes: Code U159</p> <p>RCRA Groundwater Monitoring: Methods 8015, 8240 / PQL 10, 100</p> <p>NIOSH Recommendations:</p> <p>Occupational Health Guideline: 0069*</p>

Ethylbenzene:

TSCA Inventory: listed

Carcinogen Status:

IARC Rating: Group 2B

OSHA Carcinogen: not listed

NTP Rating: not listed

Clean Air Act:

CAA Hazardous Air Pollutants: yes

CAA SOCM Chemical: yes

Clean Water Act:

CWA Hazardous Substances: RQ 1000 lbs.

CWA Priority Pollutants: yes

Other Environmental Laws:

CERCLA: RQ 1000 lbs.

RCRA Groundwater Monitoring: Methods 8020, 8240 / PQL 2, 5

SARA Title III - Section 313, Toxic Release: Conc. 1.0% / Threshold Standard

NIOSH Recommendations:

Occupational Health Guideline: 0264*

Glycollic acid butyl ester:

TSCA Inventory: listed

Butan-1-ol:

TSCA Inventory: listed

Other Environmental Laws:

CERCLA: RQ 5000 lbs.

RCRA Hazardous Wastes: Code U031

SARA Title III - Section 313, Toxic Release: Conc. 1.0% / Threshold Standard

NIOSH Recommendations:

Occupational Health Guideline: 0076

Propane:

TSCA Inventory: listed

Clean Air Act:

CAA Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f

NIOSH Recommendations:

Occupational Health Guideline: 0524

Butane, <0,1% Butadiene:

TSCA Inventory: listed

Clean Air Act:

CAA Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f

NIOSH Recommendations:

Occupational Health Guideline: 0068*

i-Butane, <0,1% Butadiene:

TSCA Inventory: listed

Clean Air Act:

CAA Accidental Release Prevention: Threshold 10000 lbs. / Basis for listing = f

NIOSH Recommendations:

Occupational Health Guideline: 0350*



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010

635L16 - Spray Lacquer, dark brown

Material number 635L16

Revision date: 3/11/2024

Version: 21.0

Replaces version: 20.1

Language: en-US

Date of print: 9/2/2025

Page: 15 of 19

Titanium dioxide:

TSCA Inventory: listed

Carcinogen Status:

IARC Rating: Group 2B

OSHA Carcinogen: not listed

NTP Rating: not listed

NIOSH Recommendations:

Occupational Health Guideline: 0617

Bentonite:

TSCA Inventory: listed; UVCB

National regulations - U.S. State Regulations

Acetone:	<p>California Prop 65 List: None</p> <p>Delaware Air Quality Management List: DRQ: 5000 - RQ State: Federal Regulations Apply</p> <p>Idaho Air Pollutant List: Title 585: AAC: 89 - EL: 119 - OEL: 1780</p> <p>Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9</p> <p>Minnesota Haz. Substance: Codes: AON - Ratings: 7.16 - Status: Title III</p> <p>New York List of Hazardous Substances: RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.</p> <p>Pennsylvania Haz. Substance code: E</p> <p>Washington Air Contaminant: TWA: 750 ppm - 1800 mg - STEL: 1000 ppm - 2400 mg</p>
Nitrocellulose:	<p>California Proposition 65 code: -</p> <p>Delaware Air Quality Management List: DRQ: 500 - RQ State: State requirement differs from Federal</p> <p>Massachusetts Haz. Substance codes: 5,6</p> <p>New Jersey RTK Hazardous Substance: DOT: 0340 - Sub No.: 3642 - TPQ: -</p> <p>Pennsylvania Haz. Substance code: -</p>
n-Butyl acetate:	<p>CAS# 123-86-4 can be found on the following state right to know lists: - California, Massachusetts, Minnesota, New Jersey, Pennsylvania.</p>
2-Methoxy-1-methylethyl acetate:	<p>Idaho Air Pollutant List: Title 585: AAC: 3.6 - EL: 24 - OEL: - - Title 586: -</p>
Xylene (isomeric mixture):	<p>Delaware Air Quality Management List: DRQ: 100 - RQ State: Federal Regulations Apply</p> <p>Idaho Air Pollutant List: Title 585 -- Title 586 --</p> <p>Maine Hazardous Air Pollutants: Me 2005: HAP - Hap Rpt: 2000</p> <p>Massachusetts Haz. Substance codes: 2,4 F8 F9</p> <p>Michigan Critical Material: Note: - CMR: 44 - Parameter: 01330-20-7 -</p> <p>Annual Usage Parameter: 100</p> <p>Minnesota Haz. Substance: Codes: ANO - Ratings: 8.77 - Status: Air Pollutant. Title III. TRI.</p> <p>New Jersey RTK Hazardous Substance: DOT: 1307 - Sub No.: 2014 - TPQ: -</p> <p>New York List of Hazardous Substances: RQ -- Air: 1000 - RQ -- Land: 1 - Note: No Note Associated with this chemical.</p> <p>Pennsylvania Haz. Substance code: E</p> <p>Washington Air Contaminant: TWA: 100 ppm / 435 mg - STEL: 150 ppm / 655 mg</p>

Ethanol:

California Proposition 65 code: -
 Idaho Air Pollutant List:
 Title 585: AAC: 94 - EL: 125 - OEL: 1880 - Title 586: -
 Massachusetts Haz. Substance codes: 2,4,5,6 *T1*
 Minnesota Haz. Substance:
 Codes: AO - Ratings: 7.74
 Pennsylvania Haz. Substance code: -
 Washington Air Contaminant:
 TWA: 1000 ppm - 1900 mg

Butanone:

Delaware Air Quality Management List:
 DRQ: 5000 - RQ State: Federal Regulations Apply
 Idaho Air Pollutant List: Title 585/Title 586: -
 Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9
 Minnesota Haz. Substance:
 Codes: ANO - Ratings: 9.7 - Status: Air Pollutant Title III. TRI.
 New Jersey RTK Hazardous Substance:
 DOT: 1193 - Sub No.: 1258 - TPQ: -
 New York List of Hazardous Substances:
 RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.
 Pennsylvania Haz. Substance code: E
 Washington Air Contaminant:
 TWA: 200 ppm - 590 mg - STEL: 300 ppm - 885 mg

Ethylbenzene:

California Proposition 65: cancer
 California Proposition 65 code: C
 Delaware Air Quality Management List:
 DRQ: 1000
 RQ State: Federal Regulations Apply
 Idaho Air Pollutant List:
 Title 585 -- AAC: 21.75 -- EL: 29 -- WEL: 435
 Title 586 -
 Massachusetts Haz. Substance codes: 2,4,5,6 F7 F8 F9
 Minnesota Haz. Substance:
 Codes: AO -- Ratings: 8.95 -- Status: Air Pollutant. Title III. TRI. Water Pollutant.
 New Jersey RTK Hazardous Substance:
 DOT 1175 - Sub No.: 0851 - TPQ: -
 New York List of Hazardous Substances:
 RQ -- Air: 1000 - RQ-Land: 1 - Note: No Note Associated with this chemical.
 Pennsylvania Haz. Substance code: E
 Washington Air Contaminant:
 TWA: 100 ppm - 435 mg, STEL: 125 ppm - 545 mg

Butan-1-ol:

California Proposition 65 code: -
 Delaware Air Quality Management List:
 DRQ: 5000 - RQ State: Federal Regulations Apply
 Idaho Air Pollutant List:
 Title 585: AAC: 7.5 - EL: 10 - OEL: 150 - Title 586: -
 Main Hazardous Air Pollutants:
 Me 2005: HAP - Hap Rpt: 2000
 Massachusetts Haz. Substance codes: 2,4,5,6 F8 F9
 Minnesota Haz. Substance:
 Codes: AO - Ratings: 7.5 - Status: III. TRI.
 New Jersey RTK Hazardous Substance:
 DOT: 1120 - Sub No.: 1330 - TPQ: -
 New York List of Hazardous Substances:
 RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.
 Pennsylvania Haz. Substance code: E
 Washington Air Contaminant:
 Ceiling: 50 ppm - 150 mg
 Skin: Protective measures should be taken to prevent or reduce skin absorption.

Propane:

California Proposition 65 code: -
 Delaware Air Quality Management List:
 DRQ: F 1000** - RQ State: State requirements differs from Federal
 Massachusetts Haz. Substance codes: 2,4,5,6
 Minnesota Haz. Substance:
 Codes: AP - Ratings: - - Status: Title III
 New Jersey RTK Hazardous Substance:
 DOT: 1978 - Sub No.: 1594 - TPQ: -
 Pennsylvania Haz. Substance code: -
 Washington Air Contaminant:
 TWA: 1000 ppm - 1800 mg

i-Butane, <0,1% Butadiene:

California Proposition 65 code: -
 Delaware Air Quality Management List:
 DRQ: F 1000** - RQ State: State requirements differs from Federal
 Massachusetts Haz. Substance codes: 6
 New Jersey RTK Hazardous Substance:
 DOT: 1969 - Sub No.: 1040 - TPQ: -
 Pennsylvania Haz. Substance code: -

16. Other information

Text for labeling:

Contains 25 - 50 % Acetone, 2.5 - 5 % Nitrocellulose, 2.5 - 5 % n-Butyl acetate, 2.5 - 5 % 2-Methoxy-1-methylethyl acetate, 2.5 - 5 % Xylene (isomeric mixture), 2.5 - 5 % Ethanol, 1 - 2.5 % Butanone, < 1 % Ethylbenzene, < 1 % Glycolic acid butyl ester, < 1 % Butan-1-ol, 10 - 25 % Propane, 5 - 10 % Butane, <0,1% Butadiene, 5 - 10 % i-Butane, <0,1% Butadiene.

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 4 (Severe)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 4 (Severe)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	4
PHYSICAL HAZARD	0
	X

Abbreviations and acronyms:

Acute Toxicity: Acute toxicity
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 Aquatic toxicity - chronic: Hazardous to the aquatic environment - chronic
 AS/NZS: Australian Standards/New Zealand Standards
 Aspiration Toxicity: Aspiration toxicity
 CAS: Chemical Abstracts Service
 CFR: Code of Federal Regulations
 CLP: Classification, Labelling and Packaging
 DMEL: Derived minimal effect level
 DNEL: Derived no-effect level
 EC: European Community
 EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
 EN: European Standard
 EQ: Excepted quantities
 Explosive: Explosives
 Eye Damage: Eye damage
 Eye Irritation: Eye irritation
 Flammable Gas: Flammable gases
 Flammable Liquid: Flammable liquid
 IATA: International Air Transport Association
 IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
 IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IMDG Code: International Maritime Dangerous Goods Code
 IMO: International Maritime Organization
 LEL: Lower Explosion Limit
 MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
 OEL: Occupational Exposure Limit Value
 OSHA: Occupational Safety and Health Administration
 PBT: Persistent, bioaccumulative and toxic
 PNEC: Predicted no-effect concentration
 Reproductive toxicant: Reproductive toxicity
 RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
 Skin Irritation: Skin irritation
 STOT RE: Specific target organ toxicity - repeated exposure
 STOT SE: Specific target organ toxicity - single exposure
 TLV: Threshold Limit Value
 TRGS: Technical Rules for Hazardous Substances
 UN: United Nations
 vPvB: Very persistent and very bioaccumulative
 WEL: Workplace Exposure Limit

Reason of change: **Changes in section 3: Composition/information on ingredients**

General revision

Date of first version: **10/7/1994**

Department issuing data sheet

Contact person: **see section 1: Department responsible for information**

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.