Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Issue date: 6/12/2017

Revision date: 4/5/2022 update 01/13/2023

Supersedes: 7/31/2017

Version: 2.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : 2K Polyester Filler
Product code : 3684026 / REZ712

1.2. Recommended use and restrictions on use

Recommended use : Automotive refinish

1.3. Supplier

Manufacturer

Peter Kwasny GmbH 96 Heibronner Str.

Gundelsheim, 74831 - Germany

T 49(0) 6269-95-20

Distributor

Peter Kwasny Inc. 62-64 Enter Lane Islandia, NY 11749

T 1-844-726-6330 (toll free North America)

Distributor

Peter Kwasny Spraypaint Canada Inc 40 University Avenue, Suite 904

Toronto, ON M5J 1T1

1.4. Emergency telephone number

Emergency number : 352-323-3500 (24h / 7 days a week)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Flam. Aerosol 1 Press. Gas (Liq.) Skin Irrit. 2 Eye Irrit. 2A Carc. 1B Repr. 2

STOT RE 1 Asp. Tox. 1 Simple Asphy

2.2. GHS Label elements, including precautionary statements

GHS labelling

Hazard pictograms (GHS)









Signal word (GHS) : Danger

04/05/2022 EN (English) Page 1

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Hazard statements (GHS) : Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

May be fatal if swallowed and enters airways.

Causes skin irritation.
Causes serious eye irritation.

May cause cancer.

Suspected of damaging fertility or the unborn child.

Causes damage to organs (hearing organs) through prolonged or repeated exposure.

May displace oxygen and cause rapid suffocation

Precautionary statements (GHS) : Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands, forearms and face thoroughly after handling.

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center or doctor.

Do NOT induce vomiting.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention.

Store locked up.

Store in a well-ventilated place.

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

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 which do not result in classification

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Dimethyl ether	Dimethyl ether Methane, oxybis- / Methyl ether / Dimethyl oxide	CAS-No.: 115-10-6	15 – 40
Ethyl acetate	Ethyl acetate Acetic acid, ethyl ester / Ethyl ethanoate / ETHYL ACETATE	CAS-No.: 141-78-6	10 – 30
Styrene	Styrene Benzene, ethenyl- / Styrene monomer	CAS-No.: 100-42-5	5 – 13

04/05/2022 EN (English) 2/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

First-aid measures after ingestion

4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position

comfortable for breathing. Give oxygen or artificial respiration if necessary. Call a POISON

CENTER/doctor if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before

reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

give anything by mouth to an unconscit

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

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. Symptoms of oxygen deficiency include

respiratory difficulty, headache, dizziness, nausea, unconsciousness or death.

Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and

tear production, with marked redness and swelling of the conjunctiva.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (hearing organs) through prolonged or repeated exposure.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Carbon dioxide (CO2).

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Extremely flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon. irritating vapours. Vapours are heavier than air and may travel considerable distance

to an ignition source and flash back to source of vapours.

Explosion hazard : Vapours may form explosive mixture with air. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Ruptured cylinders may

rocket.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : DO NOT fight fire when fire reaches explosives. Evacuate area. Move containers away from the fire area if this can be done without risk.

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory

protection (SCBA). Use water spray to keep fire-exposed containers cool. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

04/05/2022 EN (English) 3/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate every possible source of ignition. Use only non-sparking tools. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment

: Stop leak if safe to do so. Remove all sources of ignition. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up

: Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed

: Pressurized container: Do not pierce or burn, even after use. Hazardous waste due to potential

Precautions for safe handling

: 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. Use only non-sparking tools. Take precautionary measures against static discharge. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Do not swallow. When using do not eat, drink or smoke. Handle and open container with care. Use only outdoors or in a well-ventilated area.

Hygiene measures

: Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures Storage conditions

- : Proper grounding procedures to avoid static electricity should be followed.
- : Keep out of the reach of children. Store locked up. Keep in fireproof place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store away from direct sunlight or other heat sources. Protect containers from physical damage. Store in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

04/05/2022 EN (English) 4/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

2R Polyestor Fillor No additional information available Dimethyl ether (115-10-6) No additional information available Ethyl acetate Stryl acetate ACGIH - Occupational Exposure Limits Local name Ethyl acetate ACGIH OEL TWA [ppm] A00 ppm Remark (ACGIH) TLV® Basis: URT & eye irr Regulatory reference USA - OSHA - Occupational Exposure Limits Local name Ethyl acetate ACGIH Petron Remark (ACGIH) TLV® Basis: URT & eye irr Regulatory reference USA - OSHA - Occupational Exposure Limits Local name Ethyl acetate OSHA PEL TWA [1] SSHA PEL TWA [2] A00 ppm Regulatory reference (US-OSHA) USA - IDLH - Occupational Exposure Limits USA - IDLH - Occupational Exposure Limits USA - IDLH - USA NIOSH REL TWA [ppm] A00 ppm Styrene (100-42-5) SSHA - ACGIH - Decupational Exposure Limits ACGIH - Chemical category ACGIH - Bological Exposure Limits ACGIH - Demi ACGIH - Cocupational Exposure Limits ACGIH - Demi ACGIH - Demi ACGIH - Demi ACGIH - Demi ACCIH - Demi AC				
Dimethyl ether (115-10-6) No additional information available Ethyl acetate (141-78-6) USA - ACCIH - Occupational Exposure Limits Local name Ethyl acetate ACGIH OEL TWA (ppm) 400 ppm Remark (ACGIH) TLV® Basis: URT & eye im Regulatory reference ACGIH 2020 USA - OSHA - Occupational Exposure Limits Local name Ethyl acetate OSHA PEL TWA [1] 1400 mg/m² OSHA PEL TWA [1] 1400 mg/m² OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH (ppm) 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA [1] 400 mg/m² NIOSH REL TWA [1] 100 ppm ACGIH OCcupational Exposure Limits ACGIH OEL TWA [2] 100 ppm ACGIH Chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Selogical Exposure Indices EL	2K Polyester Filler			
No additional information available Ethyl acetate (141-78-6) USA - ACCIH - Occupational Exposure Limits Local name Ethyl acetate ACGIH OEL TWA [ppm] 400 ppm Remark (ACGIH) TLV® Basis: URT & eye irr Regulatory reference ACGIH 2020 USA - OSHA - Occupational Exposure Limits Local name Ethyl acetate OSHA PEL TWA [1] 1400 mg/m² OSHA PEL TWA [1] 1400 mg/m² OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH (ppm) 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA [ppm] 400 ppm XIVA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH CEL TWA [ppm] 10 ppm ACGIH CEL TWA [ppm] 20 ppm ACGIH CEL TWA [ppm] 10 ppm ACGIH CEL TWA [ppm] 20 ppm ACGIH CEL TWA [ppm] 30 ppm ACGIH CEL TWA [ppm] 400 ppm ACGIH CEL TWA [ppm] 400 ppm ACGIH CEL TWA [ppm] 50 ppm ACGIH CEL TWA [ppm] 60 ppm ACGIH CEL TWA [ppm] 10 ppm ACGIH CEL TWA [ppm] 10 ppm ACGIH CEL TWA [ppm] 20 ppm ACGIH CEL TWA [ppm] 20 ppm ACGIH CEL TWA [ppm] 20 ppm ACGIH CEL TWA [ppm] 30 ppm ACGIH CEL TWA [ppm] 400 ppm ACGIH CEL TWA [ppm] 50 ppm ACGIH CEL TWA [ppm] 600 ppm ACGIH CEL TWA [ppm] 700 ppm ACGIH CEL TWA [2] 100 ppm OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable calling concentration for an 8-br shift USA - NOSH - Occupational Exposure Limits IUSA - DULH - Occupational Exposure Limits IUSA - NOSH - Occupational Exposure Limits IUSA - NOSH - Occupational Exposure Limits NOSH REL TWA 215 ppm ACGIH CEL TWA [ppm] 700 ppm USA - NOSH - Occupational Exposure Limits NOSH REL TWA 215 ppm ACGIH CEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable calling concentration for an 8-br shift BLI HUB - Occupational Exposure Limits NOSH REL TWA 215 ppm ACGIH CEL TWA [215 ppm] 700 ppm	No additional information available			
Ethyl acetate (141-78-6) USA - ACGIH - Occupational Exposure Limits Ethyl acetate	Dimethyl ether (115-10-6)			
USA - ACGIH - Occupational Exposure Limits Local name Ethyl acetate ACGIH OEL TWA [ppm] 400 ppm Regulatory reference ACGIH OEL TWA [ppm] 400 ppm Regulatory reference ACGIH OEL TWA [ppm] 400 ppm Regulatory reference IUS-OSHA - Occupational Exposure Limits Local name Ethyl acetate OSHA PEL TWA [1] 1400 mg/m² OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific)) USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm ACCIH chemical category USA - ACGIH - Biological Exposure Limits OSHA PEL TWA [2] 100 ppm ACCIH chemical Category USA - ACGIH - Biological Exposure Limits OSHA PEL TWA [2] 100 ppm ACCIH chemical Category USA - ACGIH - Biological Exposure Limits OSHA PEL TWA [2] 100 ppm ACCIH chemical Category USA - ACGIH - Biological Exposure Limits OSHA PEL TWA [2] 100 ppm ACCIH chemical Category USA - ACGIH - Biological Exposure Limits OSHA PEL TWA [2] 100 ppm ACCIH Chemical Category USA - ACGIH - Cocupational Exposure Limits OSHA PEL TWA [2] 100 ppm ACCIH Chemical Exposure Limits OSHA PEL TWA [2] 100 ppm ACCIH Chemical Exposure Limits NOSH PEL TWA [2] 100 ppm ACCIH Chemical Exposure Limits NOSH PEL TWA [2] 100 ppm	No additional information available			
Local name Ettyl acetate ACGIH OEL TWA [ppm] 400 ppm Remark (ACGIH) TLV® Basis: URT & eye irr Regulatory reference ACGIH 2020 USA - OSHA - Occupational Exposure Limits Cocal name Ettyl acetate OSHA PEL TWA [1] 1400 mg/m² OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 20 ppm ACGIH OEL TWA [ppm] 20 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenyiglycxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 μg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable 600 ppm Peak (5 minutes in any 3 hours) USA - INCSH - Occupational Exposure Limits NOSH REL TWA	Ethyl acetate (141-78-6)			
ACGIH OEL TWA [ppm] 400 ppm Remark (ACGIH) TLV® Basis: URT & eye irr Regulatory reference ACGIH 2020 USA - OSHA - Occupational Exposure Limits Local name Ethyl acetate OSHA PEL TWA [1] 1400 mg/m² OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA [1] 400 mg/m² NIOSH REL TWA [1] 400 mg/m² NIOSH REL TWA [1] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH Chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine - Sampling time: end of shift (nonspecific) 40 upgl Parameter: Styrene - Medium: urine	USA - ACGIH - Occupational Exposure Limits			
Remark (ACGIH) TLV® Basis: URT & eye irr Regulatory reference ACGIH 2020 USA - OSHA - Occupational Exposure Limits Local name Ethyl acetate OSHA PEL TWA [1] A00 ppm Regulatory reference (US-OSHA) USA - IDLH - Occupational Exposure Limits IDLH (ppm) 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m³ NIOSH REL TWA 1400 mg/m³ NIOSH REL TWA 1400 ppm 400 ppm ACGIH - Occupational Exposure Limits ACGIH OEL STEL (ppm) ACGIH Chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (norspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - Occupational Exposure Limits OSHA PEL TWA [2] OSHA PEL C (ppm) ACCOPATIONAL Exposure Limits OSHA PEL C (ppm) ACCOPATIONAL Exposure Limits OSHA PEL TWA [2] OSHA PEL C (ppm) ACCOPATIONAL Exposure Limits OSHA PEL TWA [2] OSHA PEL C (ppm) ACCOPATIONAL Exposure Limits OSHA PEL TWA [2] OSHA PEL C (ppm) ACCOPATIONAL Exposure Limits OSHA PEL TWA [2] OSHA PEL C (ppm) ACCOPATIONAL Exposure Limits OSHA PEL TWA [2] OSHA PEL	Local name	Ethyl acetate		
Regulatory reference ACGIH 2020 USA - OSHA - Occupational Exposure Limits Local name Ethyl acetate OSHA PEL TWA [1] 1400 mg/m³ OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NICSH - Occupational Exposure Limits NIOSH REL TWA [1] 4400 mg/m³ NIOSH REL TWA [1] 4400 mg/m³ NIOSH REL TWA [1] 4000 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm	ACGIH OEL TWA [ppm]	400 ppm		
USA - OSHA - Occupational Exposure Limits Local name Ethyl acetate OSHA PEL TWA [1] 1400 mg/m³ OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits DILH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m³ NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] ACGIH - Decupational Exposure Limits BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - Occupational Exposure Limits OSHA PEL TWA [2] OSHA PEL C [ppm] Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm VSA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm VSA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm VSA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm VSA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm VSA - NIOSH - Occupational Exposure Limits IDLH [ppm] VSA - NIOSH - Occupational Exposure Limits IDLH [ppm] VSA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	Remark (ACGIH)	TLV® Basis: URT & eye irr		
Local name Ethyl acetate OSHA PEL TWA [1] 1400 mg/m³ OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m³ NIOSH REL TWA 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm VSA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm VSA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	Regulatory reference	ACGIH 2020		
OSHA PEL TWA [1] 1400 mg/m² OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m² NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL TWA [ppm] 20 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits DLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits DLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m²	USA - OSHA - Occupational Exposure Limits			
OSHA PEL TWA [2] 400 ppm Regulatory reference (US-OSHA) OSHA Annotated Table Z-1 USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m³ NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm OSHA PEL C [ppm] 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	Local name	Ethyl acetate		
Regulatory reference (US-OSHA) USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m³ NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] ACGIH OEL STEL [ppm] ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits DLH [ppm] 700 ppm VSA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	OSHA PEL TWA [1]	1400 mg/m³		
USA - IDLH - Occupational Exposure Limits IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m³ NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift 600 ppm Peak (5 minutes in any 3 hours) USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	OSHA PEL TWA [2]	400 ppm		
IDLH [ppm] 2000 ppm (10% LEL) USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m³ NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift 600 ppm Peak (5 minutes in any 3 hours) USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1		
USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 1400 mg/m³ 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 20 ppm 20 ppm ACGIH OEL STEL [ppm] 20 ppm 20 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	USA - IDLH - Occupational Exposure Limits			
NIOSH REL TWA [1400 mg/m³ 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm 20 ppm ACGIH oel STEL [ppm] 20 ppm 20 ppm ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits 100 ppm OSHA PEL TWA [2] 100 ppm 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift 600 ppm Peak (5 minutes in any 3 hours) USA - IDLH - Occupational Exposure Limits 700 ppm 700 ppm 100 ppm	IDLH [ppm]	2000 ppm (10% LEL)		
NIOSH REL TWA [ppm] 400 ppm Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm ACCEPTABLE TWA [2] 100 ppm ACCEPTABLE TWA [2] 200 ppm ACCEPTABLE TWA EACH ADDRESS ADDRE	USA - NIOSH - Occupational Exposure Limits			
Styrene (100-42-5) USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	NIOSH REL TWA	1400 mg/m³		
USA - ACGIH - Occupational Exposure Limits ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm OSHA PEL C [ppm] 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	NIOSH REL TWA [ppm]	400 ppm		
ACGIH OEL TWA [ppm] 10 ppm ACGIH OEL STEL [ppm] 20 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm OSHA PEL C [ppm] 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	Styrene (100-42-5)			
ACGIH OEL STEL [ppm] 20 ppm ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm OSHA PEL C [ppm] 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	USA - ACGIH - Occupational Exposure Limits			
ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm OSHA PEL C [ppm] Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	ACGIH OEL TWA [ppm]	10 ppm		
USA - ACGIH - Biological Exposure Indices BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	ACGIH OEL STEL [ppm]	20 ppm		
BEI 400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific) 40 μg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans		
Sampling time: end of shift (nonspecific) 40 µg/l Parameter: Styrene - Medium: urine - Sampling time: end of shift USA - OSHA - Occupational Exposure Limits OSHA PEL TWA [2] 100 ppm OSHA PEL C [ppm] 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	USA - ACGIH - Biological Exposure Indices			
OSHA PEL TWA [2] 100 ppm OSHA PEL C [ppm] 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	BEI	Sampling time: end of shift (nonspecific)		
OSHA PEL C [ppm] 200 ppm Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	USA - OSHA - Occupational Exposure Limits			
Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	OSHA PEL TWA [2]	100 ppm		
ceiling concentration for an 8-hr shift USA - IDLH - Occupational Exposure Limits IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	OSHA PEL C [ppm]	200 ppm		
IDLH [ppm] 700 ppm USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³		600 ppm Peak (5 minutes in any 3 hours)		
USA - NIOSH - Occupational Exposure Limits NIOSH REL TWA 215 mg/m³	USA - IDLH - Occupational Exposure Limits	USA - IDLH - Occupational Exposure Limits		
NIOSH REL TWA 215 mg/m³	IDLH [ppm]	700 ppm		
-	USA - NIOSH - Occupational Exposure Limits			
NIOSH REL TWA [ppm] 50 ppm	NIOSH REL TWA	215 mg/m³		
	NIOSH REL TWA [ppm]	50 ppm		

04/05/2022 EN (English) 5/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Styrene (100-42-5)	
NIOSH REL STEL	425 mg/m³
NIOSH REL STEL [ppm]	100 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and

safety showers.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear suitable gloves resistant to chemical penetration

Eye protection:

Wear eye/face protection

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Appearance : Aerosol.

Colour : No data available Odour : Characteristic Odour threshold : No data available рΗ : No data available : No data available Melting point No data available Freezing point Boiling point : No data available Flash point : < -18 °C (-0.4 °F) Relative evaporation rate (butylacetate=1) : No data available

Flammability (solid, gas) : Extremely flammable aerosol.

Vapour pressure : No data available Relative vapour density at 20 °C No data available Relative density : No data available Density : 0.972 g/cm³ Solubility : No data available : No data available Partition coefficient n-octanol/water : No data available Auto-ignition temperature : No data available Decomposition temperature Viscosity, kinematic No data available Viscosity, dynamic No data available Explosive limits : No data available

04/05/2022 EN (English) 6/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Explosive properties : No data available Oxidising properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Incompatible materials. Sparks. Open flame. Direct sunlight.

10.5. Incompatible materials

Oxidizing materials. Acids. Alkalis.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. irritating vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Dimethyl ether (115-10-6)	
LC50 inhalation rat	164000 ppm/4h
ATE CA (Gases (except aerosol dispensers and lighters))	164000 ppmv/4h
Ethyl acetate (141-78-6)	
LD50 oral rat	5620 mg/kg
LD50 dermal rabbit	> 18000 mg/kg
LC50 inhalation rat	4000 ppm/4h
ATE CA (oral)	4934 mg/kg bodyweight
ATE CA (Gases (except aerosol dispensers and lighters))	4000 ppmv/4h
Styrene (100-42-5)	
LD50 oral rat	1000 mg/kg

04/05/2022 EN (English) 7/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Styrene (100-42-5)	
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	11.7 mg/l/4h
ATE CA (oral)	1000 mg/kg bodyweight
ATE CA (Gases (except aerosol dispensers and lighters))	4500 ppmv/4h
ATE CA (vapours)	11.7 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity	Causes skin irritation. Causes serious eye irritation. Not classified.
	: May cause cancer.
Styrene (100-42-5)	2A Drobably carainagenia to humana
IARC group	2A - Probably carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
In OSHA Hazard Communication Carcinogen list	Yes
	: Suspected of damaging fertility or the unborn child. : Not classified.
Ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.
<u> </u>	: Causes damage to organs (hearing organs) through prolonged or repeated exposure.
Ethyl acetate (141-78-6)	
LOAEL (oral, rat, 90 days)	3600 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
NOAEL (oral, rat, 90 days)	900 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 795.2600 (Subchronic Oral Toxicity Test)
Styrene (100-42-5)	
LOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat
LOAEC (inhalation, rat, vapour, 90 days)	0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat
NOAEL (subchronic, oral, animal/male, 90 days)	10 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
2K Polyester Filler	
Vaporizer	Aerosol
Symptoms/effects after skin contact	 May cause irritation to the respiratory tract. Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. Symptoms of oxygen deficiency include respiratory difficulty, headache, dizziness, nausea, unconsciousness or death. Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

04/05/2022 EN (English) 8/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing

chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to

organs (hearing organs) through prolonged or repeated exposure.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12	1	T	nxi	city

Ecology - general : May cause long-term adverse effects in the aquatic environment

Ecology - general :	ogy - general : May cause long-term adverse effects in the aquatic environment.		
Dimethyl ether (115-10-6)			
LC50 - Fish [1]	> 4.1 g/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static])		
EC50 - Crustacea [1]	> 4.4 g/l Test organisms (species): Daphnia magna		
Ethyl acetate (141-78-6)			
LC50 - Fish [1]	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
EC50 - Crustacea [1]	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
LC50 - Fish [2]	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])		
NOEC (chronic)	2.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
Styrene (100-42-5)			
LC50 - Fish [1]	3.24 – 4.99 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
EC50 - Crustacea [1]	3.3 – 7.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)		
LC50 - Fish [2]	19.03 – 33.53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])		
LOEC (chronic)	2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC (acute)	44 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])		
NOEC (chronic)	1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		

12.2. Persistence and degradability

2K Polyester Filler

Persistence and degradability Not established.

12.3. Bioaccumulative potential

2K Polyester Filler		
Bioaccumulative potential	Not established.	
Dimethyl ether (115-10-6)		
Partition coefficient n-octanol/water	-0.18	
Ethyl acetate (141-78-6)		
BCF - Fish [1]	30	
Partition coefficient n-octanol/water	0.6	
Styrene (100-42-5)		
BCF - Fish [1]	13.5	

04/05/2022 EN (English) 9/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

2.95

Styrene (100-42-5)

Partition coefficient n-octanol/water

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with

local, regional, national and/or international regulation. Container under pressure. Do not drill or

burn even after use.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with DOT / TDG

14.1. UN number

DOT NA No : UN1950 UN-No. (TDG) : UN1950

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Aerosols

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 2.1 Hazard labels (DOT) : 2.1



TDG

Transport hazard class(es) (TDG) : 2.1 Hazard labels (TDG) : 2.1



14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable

14.5. Environmental hazards

04/05/2022 EN (English) 10/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

DOT

UN-No.(DOT) : UN1950

DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Packaging Non Bulk (49 CFR 173.xxx) : None
DOT Packaging Bulk (49 CFR 173.xxx) : None
DOT Quantity Limitations Passenger aircraft/rail (49 : 75 kg

CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 150 kg

CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel.

DOT Vessel Stowage Other : 25 - Protected from sources of heat,87 - Stow "separated from" Class 1 (explosives) except

Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials

TDG

UN-No. (TDG) : UN1950

TDG Special Provisions : 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General

Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment),107 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a

railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a

capacity less than or equal to 50 mL.

(2) Subsection (1) does not apply to self-defence spray.

Explosive Limit and Limited Quantity Index : 1 L
Excepted quantities (TDG) : E0
Passenger Carrying Road Vehicle or Passenger : 75 L

Carrying Railway Vehicle Index

Emergency Response Guide (ERG) Number : 126

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

04/05/2022 EN (English) 11/12

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

15.3. US State regulations

WARNING:

This product can expose you to Styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Revision date : 04/05/2022 Other information : None.

Prepared by : Nexreg Compliance Inc.

www.Nexreg.com



Full text of H-statements	
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Aerosol 1	Flammable aerosols, Category 1
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Repr. 2	Reproductive toxicity, Category 2
Simple Asphy	Simple Asphyxiant
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1

Indication of changes:

SDS update . GHS classification.

SDS HazCom 2012 - WHMIS 2015 (Nexreg) 2021

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

04/05/2022 EN (English) 12/12