

2K Topcoat Black High Gloss

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022
Issue date: 2019-08-06 Revision date: 2025-10-17 Supersedes: 2022-06-10 Version: 4.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : 2K Topcoat Black High Gloss
Product code : 3680222 / REZ532
Vaporizer : Aerosol

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Automotive refinish
Recommended use : Industrial use
Intended for the general public

1.4. Supplier's details

Manufacturer

Peter Kwasny GmbH
96 Heibronner Str.
Gundelsheim, 74831
Germany
T 49(0) 6269-95-20

Distributor

Peter Kwasny, Inc.
12222 Merit Drive, #130
Dallas, TX 75251
USA
T 1-844-426-6330

Distributor

Peter Kwasny Spraypaint Canada Inc
40 University Avenue, Suite 904
Toronto, ON, M5J 1T1
Canada
T +1 844-426-6330

1.5. Emergency phone number

Emergency number : North America
INFOTRAC International +1 (352) 323-5000 24 hr

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

GHS classification

Aerosol, Category 1
Eye irritation, Category 2A
Skin sensitization, Category 1
Reproductive toxicity, Category 2
Specific target organ toxicity – Single exposure, Category 3, Narcosis
Aspiration hazard, Category 1
Simple asphyxiant, Category 1

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2.2. Label elements

GHS labelling

Hazard pictograms (GHS)



Signal word (GHS)

: Danger

Hazard statements (GHS)

: Extremely flammable aerosol
Pressurized container; may burst if heated
May be fatal if swallowed and enters airways
May cause an allergic skin reaction
Causes serious eye irritation
May cause drowsiness or dizziness
Suspected of damaging the unborn child.
May displace oxygen and cause rapid suffocation

Precautionary statements (GHS)

: If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
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.
Avoid breathing dust, fume, gas, mist, vapours, spray.
Wash hands, forearms and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection, face protection.
If exposed or concerned: Get medical advice/attention.
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 or rash occurs: Get medical advice or attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
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 or attention.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

Not applicable

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SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)
Dimethyl ether	Dimethyl ether Methane, oxybis- / Methyl ether / Wood ether / Methoxymethane / Methane, 1,1'-oxybis- / DIMETHYL ETHER / Oxybismethane / Dimethyl oxide / Dimethylether	CAS-No.: 115-10-6	15 - 40
Acetone	Acetone Dimethyl ketone / 2-Propanone / ACETONE / Propan-2-one / Propanone	CAS-No.: 67-64-1	10 - 30
n-Butyl acetate	n-Butyl acetate 1-Butyl acetate / Butyl acetate, n- / Butyl acetate / BUTYL ACETATE / Acetic acid, n-butyl ester / Acetic acid, butyl ester / Butyl ethanoate / N-butyl acetate	CAS-No.: 123-86-4	5 - 10
Solvent naphtha, petroleum, light aromatic	Solvent naphtha, petroleum, light aromatic Solvent naphtha (petroleum), light aromatic / Light aromatic solvent naphtha / Aromatic 100 / Solvent naphtha, petroleum, light aromatic-low boiling point hydrogen treated naphtha / Light aromatic solvent naphtha (petroleum) (C8-10) / Solvent naphtha, petroleum, light aromatic (A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8-10 and boiling in the range of approximately 135-210°C.) / Aromatic naphtha, type I / Solvent naphtha (petroleum), light aromatic, hydrotreated / Hydrocarbons, C9, aromatics / Solvent naphtha (petroleum), light aromatic; Low boiling point naphtha -unspecified [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).] / Aromatic hydrocarbon solvents - medium flashpoint / solvent naphtha (petroleum, light aromatic)	CAS-No.: 64742-95-6	3 - 7

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Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)
Hexamethylene diisocyanate homopolymer	Hexamethylene diisocyanate homopolymer Poly(hexamethylene diisocyanate) / Polymeric hexamethylene diisocyanate / HDI oligomers / HDI oligomers, isocyanurate / Polymer of 1,6-diisocyanatohexane / HDI polyisocyanate / Hexamethylene diisocyanate polymer / Isocyanic acid, hexamethylene ester, polymers / Hexane, 1,6-diisocyanato-, homopolymer / Hexamethylene diisocyanate, oligomers / 1,6-Diisocyanatohexane homopolymer	CAS-No.: 28182-81-2	3 - 7
Naphtha, petroleum, hydrotreated heavy	Naphtha, petroleum, hydrotreated heavy Naphtha (petroleum), hydrotreated heavy / Naphtha, (petroleum), hydrotreated heavy / Hydrotreated heavy naphtha / Isopar 350 / White spirit type 3 / Aliphatic oil / Synthetic isoparaffin, C6-13 / C10-12 ALKANE/CYCLOALKANE / Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha / Naphtha, petroleum, hydrotreated, heavy / Ligroine (petroleum), hydrotreated heavy / Hydrocarbons, C9-11, n-alkanes, isoalkanes, cyclics, < 2% aromatics / Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).] / c9-11 alkane/cycloalkane / Naphtha (petroleum), hydrotreated heavy predominantly C6-13 / Naphtha (petroleum), hydrotreated heavy - low boiling point hydrogen treated naphtha / Naphtha, petroleum, hydrotreated heavy (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6-13 and boiling in the range of approximately 65-230°C.) / Naphtha (petroleum), hydrotreated heavy - low boiling point thermally cracked naphtha / Hydrotreated heavy naphtha (petroleum)	CAS-No.: 64742-48-9	1 - 5

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Name	Chemical name / Synonyms	Product identifier	Conc. (% w/w)
Propylene glycol monomethyl ether acetate	Propylene glycol monomethyl ether acetate / 1-Methoxypropyl acetate / 2-Propanol, 1-methoxy-, 2-acetate / 2-Acetic acid methoxy-1-methylethyl ester / Methoxyisopropyl acetate / 1-Methoxy-2-propyl acetate / 1-Methoxypropylacetate / Propylene glycol methyl ether acetate / 2-Propanol, 1-methoxy-, acetate / 1-Methoxypropyl-2-acetate / 1-Methoxy-2-propanol acetate / 1-Methoxy-2-acetoxypropane / 2-Methoxy-1-methylethyl acetate / Acetic acid, 2-methoxy-1-methylethyl ester / Acetate, 1-methoxy-2-propyl / METHOXYISOPROPYL ACETATE / Propylene glycol methyl ether acetate, .alpha.-isomer / Propylene glycol methyl ether acetate (all isomers) / PGMEA / 1-Methoxypropan-2-yl acetate / Acetic acid, 2-methoxyisopropyl ester / 1-Methoxypropan-2-ol acetate	CAS-No.: 108-65-6	1 – 5
Xylenes (o-, m-, p- isomers)	Xylenes (o-, m-, p- isomers) / Benzene, dimethyl- / Dimethylbenzene (mixed isomers) / Xylene / Xylene (all isomers) / Xylene (mixed isomers) / Xylene (o-, m-, p- isomers) / Xylenes / Xylenes (mixed isomers) / Dimethylbenzene / Xylol / Benzene, dimethyl-, mixed isomers / XYLENE / Dimethylbenzenes / Xylene isomers mixture / Dimethylbenzene (2-, 3-, 4-isomers) / Dimethylbenzene (mixed 2-, 3-, 4-isomers) / C8 Disubstituted benzenes / Xylene, mixed isomers / Xylenes (meta-, ortho-, para-) / Xylene (mixture), including m-xylene, o-xylene, p-xylene / Xylene (o-,m-,p-isomer mixture)	CAS-No.: 1330-20-7	1 - 5
Neodecanoic acid, oxiranylmethyl ester	Neodecanoic acid, oxiranylmethyl ester / 2,3-Epoxypropyl neodecanoate / Glycidyl ester of neodecanoic acid / Neodecanoic acid, 2,3-epoxypropyl ester / Neodecanoic acid, 2-oxiranylmethyl ester / Glycidyl neodecanoate / Oxiranylmethyl neodecanoate / Glycidyl ester of versatic acid / 2,3-Epoxypropyl ester neodecanoic acid / Oxiran-2-ylmethyl neodecanoate / glycidyl neodecanoate / 2,3-epoxypropyl neodecanoate	CAS-No.: 26761-45-5	0.1 - 1

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

SECTION 4 First-aid measures

4.1. Description of necessary 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. 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 or rash occurs: Get medical advice/attention.

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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.
First-aid measures after ingestion	: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract. May cause drowsiness or dizziness. 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	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
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	: Suspected of damaging the unborn child.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Carbon dioxide (CO ₂).
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.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Vapours may form explosive mixture with air.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: DO NOT fight fire when fire reaches explosives. Evacuate area.
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.

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.
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For non-emergency personnel

No additional information available

For emergency responders

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Environmental precautions : Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. 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.

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

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Keep away from sources of ignition. Do not spray on an open flame or other ignition source. Use only non-sparking tools. Take precautionary measures against static discharge. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

Additional hazards when processed : Pressurized container: Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking. Hazardous waste due to potential risk of explosion.

7.2. Conditions for safe storage, including incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep out of the reach of children. Store locked up. Store in a well-ventilated place. Store away from direct sunlight or other heat sources. Keep in fireproof place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep away from incompatible materials.

Specific end uses : Not available.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Dimethyl ether (115-10-6)	
USA - AIHA - Occupational Exposure Limits	
WEEL TWA	1000 ppm
Acetone (67-64-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Acetone
ACGIH® TLV® TWA	594 mg/m³
ACGIH® TLV® TWA	250 ppm
ACGIH® TLV® STEL	1187 mg/m³
ACGIH® TLV® STEL	500 ppm
Remark (ACGIH®)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BE1
ACGIH® chemical category	Not Classifiable as a Human Carcinogen

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Acetone (67-64-1)	
Regulatory reference	ACGIH 2025
USA - ACGIH - Biological Exposure Indices	
Local name	Acetone
BEI	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Acetone
OSHA PEL TWA	2400 mg/m ³
OSHA PEL TWA	1000 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - IDLH - Occupational Exposure Limits	
IDLH	2500 ppm (10% LEL)
USA - NIOSH - Occupational Exposure Limits	
Local name	Acetone
NIOSH REL TWA	590 mg/m ³
NIOSH REL TWA	250 ppm
NIOSH REL 10h TWA	250 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
n-Butyl acetate (123-86-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	n-Butyl acetate
ACGIH® TLV® TWA	50 ppm (Butyl acetates, all isomers)
ACGIH® TLV® STEL	150 ppm (Butyl acetates, all isomers)
Remark (ACGIH®)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Limits	
Local name	n-Butyl-acetate
OSHA PEL TWA	710 mg/m ³
OSHA PEL TWA	150 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - IDLH - Occupational Exposure Limits	
IDLH	1700 ppm (10% LEL)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL TWA	710 mg/m ³
NIOSH REL TWA	150 ppm
NIOSH REL STEL	950 mg/m ³
NIOSH REL STEL	200 ppm

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Propylene glycol monomethyl ether acetate (108-65-6)	
USA - AIHA - Occupational Exposure Limits	
WEEL TWA	50 ppm
Xylenes (o-, m-, p- isomers) (1330-20-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH®)	TLV® Basis: Eye & URT irr; CNS impair; Hematologic eff; Ototoxicity (p-xylene). Notations: OTO (Ototoxicant) (p isomer); A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH® chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2025
USA - ACGIH - Biological Exposure Indices	
Local name	Xylene, all isomers (Dimethylbenzene)
BEI	1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift (technical or commercial grade)
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Xylenes (o-, m-, p-isomers)
OSHA PEL TWA	435 mg/m ³
OSHA PEL TWA	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Xylenes (o-, m-, p-isomers)
NIOSH REL 10h TWA	100 ppm
NIOSH REL STEL	150 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

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, such as personal protective equipment

Hand protection:

Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.

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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. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

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. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol.
Colour	: Black
Odour	: Characteristic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: Not applicable
Flash point	: < -18 °C (-0.4 °F)
Flammability (solid, gas)	: Extremely flammable aerosol.
Vapour pressure	: No data available
Relative vapour density at 20°C/ 68 °F	: No data available
Relative density	: No data available
Density	: 0.8525 g/cm ³
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosive limits	: No data available
Explosive properties	: Pressurised container: May burst if heated.
Particle characteristics	: No data available

Dimethyl ether	
Boiling point	-24.9 °C
Flash point	-40.56 °C (closed cup)
Auto-ignition temperature	240 °C
Vapour pressure	5.12 hPa (at 20 °C)
Particle characteristics	No data available

Acetone	
Boiling point	56.05 °C (at 1013.25 hPa)
Flash point	-20 °C

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Acetone	
Auto-ignition temperature	465 °C
Vapour pressure	233 hPa (at 20 °C)
Particle characteristics	No data available

n-Butyl acetate	
Boiling point	125 – 126 °C (at 1 atm)
Flash point	22 °C
Auto-ignition temperature	425 °C
Vapour pressure	13 hPa (at 20 °C)
Particle characteristics	No data available

Solvent naphtha, petroleum, light aromatic	
Boiling point	-20 – 260 °C Atm. press.: 101,325 kPa
Flash point	< -40 °C Atm. press.: 101,325 other:kPa (assumed). Pressure not stipulated in the citation
Auto-ignition temperature	280 – 470 °C (at 1013 hPa)
Vapour pressure	350 – 900 hPa (at 37.8 °C)
Particle characteristics	No data available

Hexamethylene diisocyanate homopolymer	
Flash point	228 °C (closed cup)
Auto-ignition temperature	460 °C
Vapour pressure	0.002 Pa (at 20 °C)
Particle characteristics	No data available

Naphtha, petroleum, hydrotreated heavy	
Boiling point	-20 – 260 °C Atm. press.: 101,325 kPa
Flash point	< -40 °C Atm. press.: 101,325 other:kPa (assumed). Pressure not stipulated in the citation
Auto-ignition temperature	> 200 °C (at 1013 hPa)
Vapour pressure	≤ 240 kPa Temp.: 37,8 °C
Particle characteristics	No data available

Propylene glycol monomethyl ether acetate	
Boiling point	145.8 °C Atm. press.: 760 mm Hg Decomposition: 'no'
Flash point	44.4 °C (open cup)
Auto-ignition temperature	315 °C
Vapour pressure	4.9 hPa (at 20 °C)
Particle characteristics	No data available

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Xylenes (o-, m-, p- isomers)	
Boiling point	138.3 – 141.4 °C
Auto-ignition temperature	465 – 525 °C
Vapour pressure	8.8 – 11.9 hPa (at 25 °C)
Particle characteristics	No data available

Neodecanoic acid, oxiranylmethyl ester	
Boiling point	269 °C (at 1040 hPa)
Flash point	> 94 °C (closed cup)
Vapour pressure	3.3 hPa (at 100 °C)
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

Gas group : Press. Gas (Liq.)

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

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. Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Oxidizing materials. Acids. Alkalis.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Nitrogen oxides. Hydrogen cyanide. Hydrocarbons.

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

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Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 15700 mg/kg (Source: OECD_SIDS)
LC50 inhalation rat	50100 mg/m ³ (Exposure time: 8 h Source: OECD_SIDS)
n-Butyl acetate (123-86-4)	
LD50 oral rat	10768 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 17600 mg/kg (Source: NLM_CIP)
LC50 inhalation rat	0.74 mg/l/4h
LC50 Inhalation - Rat (Vapours)	1.86 mg/l/4h
Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LD50 oral rat	8400 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 2000 mg/kg (Source: IUCLID)
LC50 inhalation rat	> 6193 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
LC50 inhalation rat	3400 ppm/4h
Hexamethylene diisocyanate homopolymer (28182-81-2)	
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)
LC50 inhalation rat	18500 mg/m ³ (Exposure time: 1 h Source: NLM_CIP)
Naphtha, petroleum, hydrotreated heavy (64742-48-9)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 5000 mg/kg (Source: ECHA_API)
LC50 inhalation rat	> 8500 mg/m ³ (Exposure time: 4 h Source: EPA_HPVS)
Propylene glycol monomethyl ether acetate (108-65-6)	
LD50 oral rat	8532 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 5 g/kg (Source: NLM_CIP)
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg (Source: JAPAN_GHS)
LD50 dermal rat	1100 mg/kg
LD50 dermal	1700 mg/kg
Neodecanoic acid, oxiranylmethyl ester (26761-45-5)	
LD50 oral rat	> 10 g/kg (Source: EPA_HPVS)
LD50 dermal rat	> 4000 mg/kg (Source: EPA_HPVS)
LC50 inhalation rat	> 240 mg/m ³ (Exposure time: 4 h Source: CHEMVIEW)

Skin corrosion/irritation : Not classified.

Serious eye damage/irritation : Causes serious eye irritation.

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Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
IARC group	3 - Not classifiable

Reproductive toxicity : Suspected of damaging the unborn child.

Acetone (67-64-1)	
LOAEL (animal/female, F0/P)	11298 mg/kg bodyweight Animal: mouse, Animal sex: female
NOAEL (animal/male, F0/P)	900 mg/kg bodyweight Animal: rat, Animal sex: male

STOT-single exposure : May cause drowsiness or dizziness.

Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

n-Butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
STOT-single exposure	May cause drowsiness or dizziness.

Propylene glycol monomethyl ether acetate (108-65-6)	
STOT-single exposure	May cause drowsiness or dizziness.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified.

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Propylene glycol monomethyl ether acetate (108-65-6)	
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Xylenes (o-, m-, p- isomers) (1330-20-7)	
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)

Aspiration hazard : May be fatal if swallowed and enters airways.

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Vaporizer	Aerosol
Viscosity, kinematic	No data available

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
Viscosity, kinematic	< 1 mm ² /s Temp.: 'other:37.8°C' Parameter: 'kinematic viscosity (in mm ² /s)'

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Naphtha, petroleum, hydrotreated heavy (64742-48-9)	
Viscosity, kinematic	< 1 mm ² /s Temp.: 'other:37.8°C' Parameter: 'kinematic viscosity (in mm ² /s)'
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract. May cause drowsiness or dizziness. 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	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
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	: Suspected of damaging the unborn child.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

Dimethyl ether (115-10-6)	
LC50 - Fish [1]	> 4.1 g/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static] Source: ECHA)
EC50 - Crustacea [1]	> 4.4 g/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	154.917 mg/l Test organisms (species): other:green algae

Acetone (67-64-1)	
LC50 - Fish [1]	4.74 – 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)
EC50 - Crustacea [1]	10294 – 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 - Fish [2]	6210 – 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 - Crustacea [2]	12600 – 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

n-Butyl acetate (123-86-4)	
LC50 - Fish [1]	100 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
LC50 - Fish [2]	17 – 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 72h - Algae [1]	674.7 mg/l (Species: Desmodesmus subspicatus)

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)
EC50 - Crustacea [1]	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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Solvent naphtha, petroleum, light aromatic (64742-95-6)	
EC50 72h - Algae [1]	0.42 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
Naphtha, petroleum, hydrotreated heavy (64742-48-9)	
LC50 - Fish [1]	2200 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: IUCLID)
Propylene glycol monomethyl ether acetate (108-65-6)	
LC50 - Fish [1]	161 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 - Crustacea [1]	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
LC50 - Fish [2]	2.661 – 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [2]	0.6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
Neodecanoic acid, oxiranylmethyl ester (26761-45-5)	
LC50 - Fish [1]	5 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 - Crustacea [1]	4.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	≈ 2.9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	≈ 1.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	3.5 mg/l (Species: Pseudokirchneriella subcapitata)
12.2. Persistence and degradability	
2K DTM Topcoat Black High Gloss	
Persistence and degradability	Not established.
Dimethyl ether (115-10-6)	
Persistence and degradability	Rapidly degradable
Acetone (67-64-1)	
Persistence and degradability	Rapidly degradable

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n-Butyl acetate (123-86-4)	
Persistence and degradability	Rapidly degradable
Solvent naphtha, petroleum, light aromatic (64742-95-6)	
Persistence and degradability	Rapidly degradable
Hexamethylene diisocyanate homopolymer (28182-81-2)	
Persistence and degradability	Rapidly degradable
Naphtha, petroleum, hydrotreated heavy (64742-48-9)	
Persistence and degradability	Rapidly degradable
Propylene glycol monomethyl ether acetate (108-65-6)	
Persistence and degradability	Rapidly degradable
Xylenes (o-, m-, p- isomers) (1330-20-7)	
Persistence and degradability	Rapidly degradable
Neodecanoic acid, oxiranylmethyl ester (26761-45-5)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

2K DTM Topcoat Black High Gloss	
Bioaccumulative potential	Not established.
Dimethyl ether (115-10-6)	
Partition coefficient n-octanol/water	-0.18
Acetone (67-64-1)	
BCF - Fish [1]	(0.69 dimensionless)
Partition coefficient n-octanol/water	-0.24
n-Butyl acetate (123-86-4)	
Partition coefficient n-octanol/water	1.81 (at 23 °C)
Propylene glycol monomethyl ether acetate (108-65-6)	
Partition coefficient n-octanol/water	1.2 (at 20 °C (at pH 6.8)
Xylenes (o-, m-, p- isomers) (1330-20-7)	
BCF - Fish [1]	0.6 – 15
Partition coefficient n-octanol/water	2.77 – 3.15
Neodecanoic acid, oxiranylmethyl ester (26761-45-5)	
Partition coefficient n-octanol/water	4.4 (at 25 °C (at pH 6.7)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified.
Effect on global warming : No known effects from this product.

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According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022

Fluorinated greenhouse gases : No
Other information : No other effects known.

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. 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

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

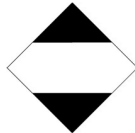
14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Aerosols (flammable)
Proper Shipping Name (TDG) : AEROSOLS

14.3. Transport hazard class(es)

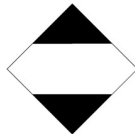
DOT

Transport hazard class(es) (DOT) : LTD QTY
Hazard labels (DOT) : LTD QTY



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

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

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

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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 CFR 173.27)	: 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
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 Parts 1 and 2, do not apply to the offering for transport, handling or transport 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 Carrying Railway Vehicle Index	: 75 L
Emergency Response Guide (ERG) Number	: 126

SECTION 15 Regulatory information

15.1. 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

15.3. State regulations

 **WARNING:** This product can expose you to Ethylbenzene, 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 2024 and the Hazardous Products Regulations (HPR) WHMIS 2022

Revision date	: 2025-10-17
Issue date	: 2019-08-06
Other information	: None.

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Prepared by

: Nexreg Compliance Inc.

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Indication of changes:
SDS update.

SDS HazCom 2024 - WHMIS 2022 (Nexreg) 2025

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