2K Topcoat Black High Gloss

Safety Data Sheet

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

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Version: 3.0

SECTION 1: Identification

1.1. Identification

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

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.)
Eye Irrit. 2A
Skin Sens. 1
Repr. 2
STOT SE 3
Asp. Tox. 1
Simple Asphy

2.2. GHS Label elements, including precautionary statements

GHS labeling

Hazard pictograms (GHS) :

Signal word (GHS) : Danger
Hazard statements (GHS) : Extremely flammable aerosol
Contains gas under pressure; may explode 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 fertility or the unborn child 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. Avoid breathing dust/fume/gas/mist/vapors/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 swallowed: Immediately call a poison center or doctor. If on skin: Wash with plenty of water. 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 exposed or concerned: Get medical advice/attention. Call a poison center or doctor if you feel unwell. Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed. Store locked up. 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 / Wood ether / Methoxymethane / Methane, 1,1'-oxybis- / DIMETHYL ETHER / Oxybismethane / Dimethyl oxide / Butylene	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

Name	Chemical name / Synonyms	Product identifier	%
n-Butyl acetate	n-Butyl acetate 1-Butyl acetate / Butyl acetate, n- / Normal butyl acetate / Butyl acetate / BUTYL ACETATE / Acetic acid, n-butyl ester / Acetic acid, butyl ester / Butyl ethanoate / Acetato de n-butilo	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 / Hydrocarbons, C9, aromatics / Aromatic naphtha, type I / 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.) / 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).] / Solvent naphtha (petroleum), light aromatic, hydrotreated	CAS-No.: 64742-95-6	3 - 7
Hexamethylene diisocyanate homopolymer	Hexamethylene diisocyanate homopolymer 1,6-Diisocyanatohexane homopolymer / Hexamethylene diisocyanate, oligomers / Hexane, 1,6-diisocyanato-, homopolymer / Isocyanic acid, hexamethylene ester, polymers / Hexamethylene diisocyanate polymer / HDI polyisocyanate / Poly(hexamethylene diisocyanate) / Polymeric hexamethylene diisocyanate / HDI oligomers / HDI oligomers, isocyanurate	CAS-No.: 28182-81-2	3 - 7

Name	Chemical name / Synonyms	Product identifier	%
Naphtha, petroleum, hydrotreated heavy	Naphtha, petroleum, hydrotreated heavy Naphtha (petroleum), hydrotreated heavy / Naphtha, (petroleum), hydrotreated heavy / Hydrotreated heavy naphtha / Hydrotreated heavy naphtha (petroleum) / Naphtha (petroleum), hydrotreated heavy - low boiling point thermally cracked naphtha / Synthetic isoparaffin, C6-13 / C10-12 ALKANE/CYCLOALKANE / Isopar 350 / White spirit type 3 / Aliphatic oil / 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 hydrogen treated naphtha / 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	CAS-No.: 64742-48-9	1 - 5
Propylene glycol monomethyl ether acetate	Propylene glycol monomethyl ether acetate Acetate, 1-methoxy-2-propyl / Acetic acid, 2-methoxy-1-methylethyl ester / 2-Methoxy-1-methylethyl acetate / 1-Methoxy-2-acetoxypropane / 1-Methoxy-2-propanol acetate / 1-Methoxypropyl-2-acetate / 2-Propanol, 1-methoxy-, acetate / Propylene glycol methyl ether acetate / 1-Methoxypropylacetate / 1-Methoxy-2-propyl acetate / Methoxyisopropyl acetate / 1-Methoxypropyl acetate / 2-Propanol, 1-methoxy-, 2-acetate / 2-Acetic acid methoxy-1-methylethyl ester / METHOXYISOPROPYL ACETATE / Propylene glycol methyl ether acetate, .alpha.-isomer / PGMEA / 1-Methoxypropan-2-yl acetate / Acetic acid, 2-methoxyisopropyl ester / 1-Methoxypropan-2-ol acetate / Propylene glycol methyl ether acetate (all isomers)	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	CAS-No.: 1330-20-7	1 - 5

Name	Chemical name / Synonyms	Product identifier	%
Neodecanoic acid, oxiranylmethyl ester	Neodecanoic acid, oxiranylmethyl ester 2,3-Epoxypropyl neodecanoate / Glycidyl ester of neodecanoic acid / Neodecanoic acid, 2,3-epoxypropyl ester / Glycidyl neodecanoate / Oxiranylmethyl neodecanoate / Neodecanoic acid, 2-oxiranylmethyl ester / Glycidyl ester of versatic acid / 2,3-Epoxypropyl ester neodecanoic acid / Oxiran-2-ylmethyl neodecanoate / glycidyl 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 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 or doctor/physician 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.

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 or doctor/physician. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person.

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

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. May cause drowsiness or dizziness. vapors 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 fertility or the unborn child.

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 (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. vapors 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. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

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. 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. Keep away from sources of ignition - No smoking. Hazardous waste due to potential risk of explosion.
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/vapors/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.

7.2. Conditions for safe storage, including any 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2K DTM Topcoat Black High Gloss
No additional information available

Dimethyl ether (115-10-6)
No additional information available

Acetone (67-64-1)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	250 ppm
ACGIH OEL STEL [ppm]	500 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
BEI (BLV)	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)
USA - IDLH - Occupational Exposure Limits	
IDLH [ppm]	2500 ppm (10% LEL)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	590 mg/m³
NIOSH REL TWA [ppm]	250 ppm

n-Butyl acetate (123-86-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	n-Butyl acetate
ACGIH OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
ACGIH OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Remark (ACGIH)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2020
USA - IDLH - Occupational Exposure Limits	
IDLH [ppm]	1700 ppm (10% LEL)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	710 mg/m³
NIOSH REL TWA [ppm]	150 ppm
NIOSH REL (STEL)	950 mg/m³
NIOSH REL STEL [ppm]	200 ppm

Solvent naphtha, petroleum, light aromatic (64742-95-6)
No additional information available

Hexamethylene diisocyanate homopolymer (28182-81-2)
No additional information available

Naphtha, petroleum, hydrotreated heavy (64742-48-9)
No additional information available

Propylene glycol monomethyl ether acetate (108-65-6)
No additional information available

Xylenes (o-, m-, p- isomers) (1330-20-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	100 ppm
ACGIH OEL STEL [ppm]	150 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
BEI (BLV)	1.5 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift

Neodecanoic acid, oxiranylmethyl ester (26761-45-5)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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.
Color	:	Black
Odor	:	Characteristic
Odor 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)
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability	:	Extremely flammable aerosol.
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	0.8525 g/cm³
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
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	Pressurized container: may burst if heated.
Oxidizing properties	:	No data available

9.2. Other information

Gas group	:	Press. Gas (Liq.)
Flame projection length	:	> 75 cm < 100 cm
Flashback	:	Possible

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. 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

Dimethyl ether (115-10-6)	
ATE CA (Gases (except aerosol dispensers and lighters))	164000 ppmV/4h

Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	> 15700 mg/kg
LC50 inhalation rat	50100 mg/m³ (Exposure time: 8 h)
ATE CA (oral)	5800 mg/kg body weight
ATE CA (vapors)	50.1 mg/l/4h
ATE CA (dust,mist)	50.1 mg/l/4h

n-Butyl acetate (123-86-4)	
LD50 oral rat	10768 mg/kg
LD50 dermal rabbit	> 17600 mg/kg
LC50 inhalation rat	0.74 mg/l/4h
ATE CA (oral)	10768 mg/kg body weight

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
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
ATE CA (oral)	8400 mg/kg body weight
ATE CA (Gases (except aerosol dispensers and lighters))	3400 ppmV/4h

Hexamethylene diisocyanate homopolymer (28182-81-2)	
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	18500 mg/m³ (Exposure time: 1 h)
ATE CA (Gases (except aerosol dispensers and lighters))	4500 ppmV/4h
ATE CA (vapors)	18.5 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

Naphtha, petroleum, hydrotreated heavy (64742-48-9)	
LD50 oral rat	> 5000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat	> 8500 mg/m³ (Exposure time: 4 h)

Propylene glycol monomethyl ether acetate (108-65-6)	
LD50 oral rat	8532 mg/kg
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Propylene glycol monomethyl ether acetate (108-65-6)	
LD50 dermal rabbit	> 5 g/kg
ATE CA (oral)	8532 mg/kg body weight

Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg
LD50 dermal rat	1100 mg/kg
ATE CA (oral)	3500 mg/kg body weight
ATE CA (Dermal)	1100 mg/kg body weight
ATE CA (Gases (except aerosol dispensers and lighters))	4500 ppmV/4h
ATE CA (vapors)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

Neodecanoic acid, oxiranylmethyl ester (26761-45-5)	
LD50 oral rat	> 10 g/kg
LD50 dermal rat	> 4000 mg/kg
LC50 inhalation rat	> 240 mg/m³ (Exposure time: 4 h)

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : 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 fertility or the unborn child.

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. May cause respiratory irritation.

Hexamethylene diisocyanate homopolymer (28182-81-2)	
STOT-single exposure	May cause respiratory irritation.

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

: Not classified

STOT-repeated exposure

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
NOAEL (oral,rat,90 days)	600 mg/kg body weight 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 body weight 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 body weight 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 body weight 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.

2K DTM Topcoat Black High Gloss	
Vaporizer	Aerosol

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. May cause drowsiness or dizziness. vapors 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 fertility or the unborn child.

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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - 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

Acetone (67-64-1)	
LC50 - Fish [1]	4.74 – 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
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])
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])
LC50 - Fish [2]	17 – 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

Solvent naphtha, petroleum, light aromatic (64742-95-6)	
EC50 - Crustacea [1]	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Naphtha, petroleum, hydrotreated heavy (64742-48-9)	
LC50 - Fish [1]	2200 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

Propylene glycol monomethyl ether acetate (108-65-6)	
LC50 - Fish [1]	161 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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])
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)

12.2. Persistence and degradability

2K DTM Topcoat Black High Gloss	
Persistence and degradability	Not established.

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
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	0.43

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 20 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

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 vapors 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

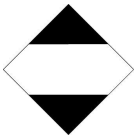
Proper Shipping Name (DOT) : Aerosols (flammable)

14.3. Transport hazard class(es)

DOT

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

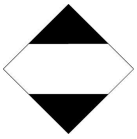
Hazard labels (DOT) : LTD QTY



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. 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 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 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 Carrying Railway Vehicle Index	:	75 L
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

15.3. US 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 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Issue date : 08/06/2019

Revision date : 06/10/2022

Other information : None.

Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

Full text of H-phrases	
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Aerosol 1	Flammable aerosol Category 1
Press. Gas (Liq.)	Gases under pressure Liquefied gas
Repr. 2	Reproductive toxicity Category 2
Simple Asphy	Simple Asphyxiant
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

SDS HazCom 2012 - WHMIS 2015 (NexReg)

Indication of changes:
SDS Update. GHS classification