Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products

Regulations (HPR) WHMIS 2015

Date of issue: 05/29/2017 Revision date: 07/31/2019 Version: 1.1

SECTION 1: Identification

Identification

Product form : Mixture

Product name : 2K Clear Coat Matte 3680065 / REZ531 Product code

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

Recommended use : Automotive refinish

Details of the supplier of the safety data sheet

Manufacturer

Peter Kwasny GmbH Heilbronner Str. 96

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 2275 Lake Shore Boulevard West, Suite 530

Toronto, ON M8V 3Y3

Emergency telephone number

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

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

GHS classification

Simple Asphy Flam. Aerosol 1 Press. Gas (Liq.) Eye Irrit. 2A Resp. Sens. 1 Skin Sens. 1 Carc. 2

Label elements 2.2.

GHS labelling

Repr. 2

Hazard pictograms (GHS)



GHS02

GHS04





Signal word (GHS) Danger

Hazard statements (GHS)

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. 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, open flames, sparks. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust, gas, fume, mist, spray, vapours. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection, face protection, protective gloves, protective clothing. In case of inadequate ventilation wear respiratory protection. If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. If in eyes: Rinse cautiously with water for

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several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: 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

No additional information available

Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

Substances

Not applicable

3.2. **Mixtures**

Name	Product identifier	%
Dimethyl ether	(CAS-No.) 115-10-6	30-60
Acetone	(CAS-No.) 67-64-1	10-30
n-Butyl acetate	(CAS-No.) 123-86-4	10-30
Hexamethylene diisocyanate homopolymer	(CAS-No.) 28182-81-2	3-7
Solvent naphtha, petroleum, light aromatic	(CAS-No.) 64742-95-6	1-5
Ethyl acetate	(CAS-No.) 141-78-6	1-5
Xylenes (o-, m-, p- isomers)	(CAS-No.) 1330-20-7	0.5-1.5
Ethylbenzene	(CAS-No.) 100-41-4	0.1-1
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	(CAS-No.) 82919-37-7	0.1-1

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

SECTION 4: First aid measures

First-aid measures after inhalation

: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if condition worsens.

First-aid measures after skin contact

: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after eve contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation

: May cause respiratory tract irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. 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. Symptoms may include redness, drying, defatting and cracking of the skin. 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 harmful if swallowed. May cause stomach distress, nausea or vomiting.

Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Powder, water spray, foam, carbon dioxide.

Unsuitable extinguishing media : Do not use water jet.

Special hazards arising from the substance or mixture 5.2.

Fire hazard

: Extremely flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon. Nitrogen oxides. Hydrogen cyanide. Hydrocarbons.

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Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of **Explosion hazard**

burns and injuries.

Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

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

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

(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

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.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

Environmental precautions 6.2.

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

: Stop leak without risks if possible. Contain and/or absorb spill with inert material (e.g. sand. For containment

vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Scoop up material and place in a disposal container. Provide ventilation. Methods for cleaning up

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

risk of explosion.

Precautions for safe handling Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid

breathing dust/fume/gas/mist/vapours/spray. Do not swallow. When using do not eat, drink or smoke. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-

ventilated area.

: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Hygiene measures

Conditions for safe storage, including any incompatibilities

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

: Keep out of the reach of children. Do not expose to temperatures exceeding 50 °C/ 122 °F. Storage conditions

Keep in fireproof place. Store away from direct sunlight or other heat sources.

SECTION 8: Exposure controls/personal protection

Control parameters

Dimethyl ether (115-10-6) Not applicable Acetone (67-64-1)

Accione (01-04-1)		
ACGIH	ACGIH TWA (ppm)	250 ppm
ACGIH	ACGIH STEL (ppm)	500 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	2400 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
IDLH	US IDLH (ppm)	2500 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m³)	590 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	250 ppm

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n-Butyl acetate (12	3-86-4)		
ACGIH	ACGIH TWA (ppm)	50 ppm	
ACGIH	ACGIH STEL (ppm)	150 ppm	
OSHA	OSHA PEL (TWA) (mg/m³)	710 mg/m³	
OSHA	OSHA PEL (TWA) (ppm)	150 ppm	
IDLH	US IDLH (ppm)	1700 ppm (10% LEL)	
NIOSH	NIOSH REL (TWA) (mg/m³)	710 mg/m³	
NIOSH	NIOSH REL (TWA) (ppm)	150 ppm	
NIOSH	NIOSH REL (STEL) (mg/m³)	950 mg/m³	
NIOSH	NIOSH REL (STEL) (ppm)	200 ppm	
Hexamethylene diisocyanate homopolymer (28182-81-2)			

Not applicable

Solvent naphtha, petroleum, light aromatic (64742-95-6)

Not applicable

Ethyl acetate (141-78-6)		
ACGIH	ACGIH TWA (ppm)	400 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	1400 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	400 ppm
IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m³)	1400 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	400 ppm

Xylenes (o-, m-, p- isomers) (1330-20-7)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

Ethylbenzene (100-41-4)		
ACGIH	ACGIH TWA (ppm)	20 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
IDLH	US IDLH (ppm)	800 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m³)	435 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
NIOSH	NIOSH REL (STEL) (mg/m³)	545 mg/m³
NIOSH	NIOSH REL (STEL) (ppm)	125 ppm

Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester (82919-37-7)

Not applicable

8.2. Exposure controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below

recommended exposure limits.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face

shield) protection.

Skin and body protection : Wear suitable protective clothing.

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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.

Environmental exposure controls : Avoid release to the 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. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Aerosol

Colour : Clear

Odour : Characteristic

Odour threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available
Boiling point : No data available
Flash point : < -18 °C (-0.4 °F)

Relative evaporation rate (butylacetate=1) : No data available

Flammability (solid, gas) : Extremely flammable aerosol. Vapour pressure : 340 kPa (2550.2 mm Hg)

Relative vapour density at 20 °C : No data available

Relative density : 0.8

Solubility : No data available Partition coefficient n-octanol/water : No data available

Auto-ignition temperature : 235 °C (<32 °F) (without propellant)

Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

Explosive limits : Lower explosive limit (LEL): 1.2 vol %

Upper explosive limit (UEL): 18.6 vol %

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

9.2. Other information

VOC content : 89 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal storage 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

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LD50 oral rat

LD50 dermal rabbit LC50 inhalation rat

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11.1.	Information	on toxicol	logical	effects
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Acute toxicity : Not classified.

164000 ppm/4h
5800 mg/kg
> 15700 mg/kg
50100 mg/m³ (Exposure time: 8 h)
10768 mg/kg
> 17600 mg/kg
390 ppm/4h
mer (28182-81-2)
18500 mg/m³ (Exposure time: 1 h)
atic (64742-95-6)
8400 mg/kg
> 2000 mg/kg
3400 ppm/4h
5620 mg/kg
> 18000 mg/kg
3500 mg/kg
3500 mg/kg

Skin corrosion/irritation	: Not classified.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an

allergic skin reaction.

3500 mg/kg 15400 mg/kg

17.4 mg/l/4h

Germ cell mutagenicity : Not classified.

Carcinogenicity : Suspected of causing cancer.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
IARC group	3 - Not classifiable
Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status 1 - Evidence of Carcinogenicity	
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified.
STOT-repeated exposure : Not classified.
Aspiration hazard : Not classified.

2K Clear Coat Matte	
Vaporizer	Aerosol

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Symptoms/effects after inhalation	: May cause respiratory tract irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. 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. Symptoms may include redness, drying, defatting and cracking of the skin. 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 harmful if swallowed. May cause stomach distress, nausea or vomiting.
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.
Acetone (67-64-1)	
LC50 fish 1	4.74 - 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 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 Daphnia 2	12600 - 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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	t aromatic (64742-95-6)
LC50 fish 1	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	6.14 mg/l (Exposure time: 48 h - 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 Daphnia 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])
Xylenes (o-, m-, p- isomers) (1330)-20-7)
LC50 fish 1	13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	3.82 mg/l (Exposure time: 48 h - Species: water flea)
LC50 fish 2	2.661 - 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 2	0.6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)
Ethylbenzene (100-41-4)	
LC50 fish 1	11.0 - 18.0 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	1.8 - 2.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])

12.2. Persistence and degradability

LC50 fish 1

Naphtha, petroleum, hydrodesulfurized heavy (64742-82-1)

2K Clear Coat Matte	
Persistence and degradability	Not established.

2.6 mg/l

12.3. Bioaccumulative potential

2K Clear Coat Matte		
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	

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n-Butyl acetate (123-86-4)		
Partition coefficient n-octanol/water	1.81 (at 23 °C)	
Ethyl acetate (141-78-6)		
BCF fish 1	30	
Partition coefficient n-octanol/water	0.6	
Xylenes (o-, m-, p- isomers) (1330-20-7)		
BCF fish 1	0.6 - 15	
Partition coefficient n-octanol/water	2.77 - 3.15	
Ethylbenzene (100-41-4)		
BCF fish 1	15	
Partition coefficient n-octanol/water	3.2	

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. Waste treatment methods

Product/Packaging disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal

regulations. The generation of waste should be avoided or minimized wherever possible.

Container under pressure. Do not drill or burn even after use.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

UN-No.(DOT/TDG) : UN1950
Proper Shipping Name (DOT/TDG) : Aerosols

Class (DOT/TDG) : Class 2.1 - Flammable gas 49 CFR 173.115

Hazard labels (DOT/TDG)



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. US State regulations

California Proposition 65 - 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

Revision date : 07/31/2019
Other information : None.

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Prepared by

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