

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

1 Identification

- **Product identifier**
- **Trade name:** 2K Clear Satin
- **Article number:** 3680067
- **Application of the substance / the mixture**
Paintwork
FOR PROFESSIONAL USE ONLY
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Importer:
Peter Kwasny, Inc.
400 Oser Ave
Suite 1650
Hauppauge, NY 11788

- Manufacturer:
Peter Kwasny GmbH
Heilbronnerstr. 96
D-74831 Gundelsheim

- **Information department:** Product safety department
- **Emergency telephone number:** Tel.: 352-323-3500

Tel.: 0049-(0)6269-95-20

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 1)

· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word *Danger*

· Hazard-determining components of labeling:

Aliphatisches Polyisocyanat
acetone

n-butyl acetate

Solvent naphtha (petroleum), light arom. benzene < 0,1 %

· Hazard statements

Extremely flammable aerosol. Pressurized container: May burst if heated.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer.

May cause drowsiness or dizziness.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. 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

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Obtain special instructions before use.

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

IF ON SKIN: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor if you feel unwell.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

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

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information: Without adequate ventilation, explosive atmosphere/gas mix may be created.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 1

Fire = 4

Reactivity = 3

(Contd. on page 3)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 2)

· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	4	Fire = 4
REACTIVITY	3	Reactivity = 3

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 115-10-6 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether	25-50%
CAS: 67-64-1 Reg.nr.: 01-2119471330-49-xxxx	acetone	10-25%
CAS: 123-86-4	n-butyl acetate	10-25%
CAS: 28182-81-2	Aliphatisches Polyisocyanat	5-10%
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom. benzene < 0,1 %	2.5-5%
CAS: 141-78-6	ethyl acetate	1-2.5%
CAS: 1330-20-7 Reg.nr.: 01-2119488216-32-xxxx	xylene	1-2.5%
CAS: 100-41-4	ethylbenzene	<1%
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom. benzene < 0,1 %	<1%
CAS: 41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	<1%
CAS: 26761-45-5	2,3-epoxypropyl neodecanoate	<1%
CAS: 127519-17-9	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl] propionates	<1%
CAS: 82919-37-7	Methyl-1,2,2,6,6-pentamethyl-4-piperidylsebacat	<1%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 3)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media -**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Cool container with water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Take note of emission threshold.
Use only in well ventilated areas.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- **Information about protection against explosions and fires:**
Do not spray on a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 4)

· *Specific end use(s)* No further relevant information available.

8 Exposure controls/personal protection

· *Additional information about design of technical systems:* No further data; see item 7.· *Control parameters*· *Components with limit values that require monitoring at the workplace:*

115-10-6 dimethyl ether

WEEL Long-term value: 1000 ppm

67-64-1 acetone

PEL Long-term value: 2400 mg/m³, 1000 ppmREL Long-term value: 590 mg/m³, 250 ppmTLV Short-term value: 1187 mg/m³, 500 ppmLong-term value: 594 mg/m³, 250 ppm

BEI

123-86-4 n-butyl acetate

PEL Long-term value: 710 mg/m³, 150 ppmREL Short-term value: 950 mg/m³, 200 ppmLong-term value: 710 mg/m³, 150 ppmTLV Short-term value: (950) NIC-712 mg/m³, (200) NIC-150 ppmLong-term value: (713) NIC-238 mg/m³, (150) NIC-50 ppm

141-78-6 ethyl acetate

PEL Long-term value: 1400 mg/m³, 400 ppmREL Long-term value: 1400 mg/m³, 400 ppmTLV Long-term value: 1440 mg/m³, 400 ppm

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppmREL Short-term value: 655 mg/m³, 150 ppmLong-term value: 435 mg/m³, 100 ppmTLV Short-term value: 651 mg/m³, 150 ppmLong-term value: 434 mg/m³, 100 ppm

BEI

· *Ingredients with biological limit values:*

67-64-1 acetone

BEI 50 mg/L

Medium: urine

Time: end of shift

Parameter: Acetone (nonspecific)

1330-20-7 xylene

BEI 1.5 g/g creatinine

Medium: urine

Time: end of shift

Parameter: Methylhippuric acids

· *Additional information:* The lists that were valid during the creation were used as basis.· *Exposure controls*· *Personal protective equipment:*· *General protective and hygienic measures:*

Keep away from foodstuffs, beverages and feed.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 5)

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves** Nitrile rubber, NBR

· **Penetration time of glove material**

Gloves must be changed after every contamination.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

butyl rubber, 0,7mm

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Aerosol

Color: According to product specification

· **Odor:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Not applicable, as aerosol.

· **Flash point:** < 0 °C (< 32 °F)
without propellants

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 235 °C (455 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

(Contd. on page 7)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 6)

· Danger of explosion:	<i>In use, may form flammable/explosive vapour-air mixture.</i>
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	18.6 Vol %
· Vapor pressure at 20 °C (68 °F):	3400 hPa (2550 mm Hg)
· Density:	<i>Not determined.</i>
· Relative density	<i>Not determined.</i>
· Vapour density	<i>Not determined.</i>
· Evaporation rate	<i>Not applicable.</i>
· Solubility in / Miscibility with Water:	<i>Not miscible or difficult to mix.</i>
· Partition coefficient (n-octanol/water):	<i>Not determined.</i>
· Viscosity:	
Dynamic:	<i>Not determined.</i>
Kinematic:	<i>Not determined.</i>
· Solvent content:	
Organic solvents:	87.9 % <i>with propellants. Percentage by weight</i>
Solids content:	12.1 %
· Other information	<i>No further relevant information available.</i>

10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *Reacts with acids, alkalis and oxidizing agents.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *Possible in traces.*

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64742-95-6 Solvent naphtha (petroleum), light arom. benzene < 0,1 %

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** *Irritant to skin and mucous membranes.*
- **on the eye:** *Irritating effect.*
- **Sensitization:** *Sensitization possible through skin contact.*
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 7)

Irritant

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

1330-20-7	xylene	3
100-41-4	ethylbenzene	2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**· **Aquatic toxicity:**

64742-95-6 Solvent naphtha (petroleum), light arom. benzene < 0,1 %

EC50	19 mg/l (Pseudokirchneriella subcapitata) (OECD-PrüfRL 201 96h)
	6.14 mg/l (daphnia) (48h)

· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Ecotoxicological effects:**· **Remark:** Harmful to fish· **Additional ecological information:**· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Empty sacks can be disposed together with the domestic waste.

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**· **DOT, ADR, IMDG, IATA**

UN1950

(Contd. on page 9)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 8)

· **UN proper shipping name**
 · **DOT** Aerosols, flammable
 · **ADR** 1950 Aerosols
 · **IMDG** AEROSOLS
 · **IATA** AEROSOLS, flammable

· **Transport hazard class(es)**· **DOT**

· **Class** 2.1
 · **Label** 2.1

· **ADR**

· **Class** 2 - 5F Gases
 · **Label** 2.1

· **IMDG, IATA**

· **Class** 2.1
 · **Label** 2.1

· **Packing group**

· **DOT** Void
 · **ADR, IMDG, IATA** Void
 not classified

· **Environmental hazards:**· **Marine pollutant:** No· **Special precautions for user** Warning: Gases· **Danger code (Kemler):** -
not classified· **EMS Number:** F-D,S-U· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.· **Transport/Additional information:**· **ADR**

· **Excepted quantities (EQ)** Code: E0
 Not permitted as Excepted Quantity

· **IMDG**

· **Limited quantities (LQ)** 1L
 · **Excepted quantities (EQ)** Code: E0
 Not permitted as Excepted Quantity

(Contd. on page 10)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 9)

· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

1330-20-7 xylene

100-41-4 ethylbenzene

112-07-2 2-butoxyethyl acetate

822-06-0 hexamethylene-di-isocyanate

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

100-41-4 ethylbenzene

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

67-64-1 acetone

I

1330-20-7 xylene

I

100-41-4 ethylbenzene

D

· TLV (Threshold Limit Value established by ACGIH)

67-64-1 acetone

A4

1330-20-7 xylene

A4

100-41-4 ethylbenzene

A3

112-07-2 2-butoxyethyl acetate

A3

· MAK (German Maximum Workplace Concentration)

100-41-4 ethylbenzene

3A

112-07-2 2-butoxyethyl acetate

4

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 10)

· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word *Danger*

· Hazard-determining components of labeling:

Aliphatisches Polyisocyanat
acetone

n-butyl acetate

Solvent naphtha (petroleum), light arom. benzene < 0,1 %

· Hazard statements

Extremely flammable aerosol. Pressurized container: May burst if heated.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer.

May cause drowsiness or dizziness.

· Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. 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

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Obtain special instructions before use.

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

IF ON SKIN: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor if you feel unwell.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

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

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Product safety department

· Date of preparation / last revision 01/15/2016 / -

(Contd. on page 12)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/15/2016

Reviewed on 01/15/2016

Trade name: 2K Clear Satin

(Contd. of page 11)

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· * Data compared to the previous version altered.

US