2K URETHANE SAFETY BLUE

SECTION 1: Identification

Product identifier

Product name: 2K URETHANE SAFETY BLUE
Trade Name: 2K URETHANE SAFETY BLUE
Product code: 43241,43244, 43245

Recommended use of the product and restriction on use

Relevant identified uses: Paint
Uses advised against: Not determined or not applicable.
Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:
United States
Absolute Coatings
38 Portman Road
New Rochelle, NY 10801
1-800-221-8010

Emergency telephone number:

United States
ChemTel Inc.
+1 800 255 3924
+1 813 248 0585

SECTION 2: Hazard(s) identification

GHS classification:

Flammable liquids, category 3
Eye irritation, category 2A
Skin irritation, category 2
Aspiration hazard, category 1
Specific target organ toxicity - single exposure, category 3, central nervous system
Specific target organ toxicity - repeated exposure, category 2
Carcinogenicity, category 2
Reproductive toxicity, category 2

Label elements

Hazard pictograms:

Signal word: Danger

Hazard statements:

H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash skin thoroughly after handling.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/light/equipment.
P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower.
P302+P352 If on skin: Wash with soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P331 Do not induce vomiting.
P308+P313 If exposed or concerned: Get medical advice/attention.
P301+P310 If swallowed: Immediately call a poison center or doctor/physician.
P304+P340+P312 If inhaled: 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.
P370+P378 In case of fire: Use agents recommended in section 5 for extinction.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P362 Take off contaminated clothing and wash before reuse.
P405 Store locked up.
P403+P233 Store in a well ventilated place. Keep container tightly closed.
P501 Dispose of contents and container as instructed in Section 13.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 123-86-4	Acrylic Polyol	10-15
CAS number: 1330-20-7	Aromatic Hydrocarbon	10-15
CAS number: 98-56-6	Parachlorobenzotriflouride	3-8
CAS number: 77-58-7	Organic Tin Cmpd.	<0.01
CAS number: 108-65-6	Pigment Dispersion	<5

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CAS number: 13463-67-7	Titanium Dioxide	<5
CAS number: 100-41-4	Ethyl Benzene	<3

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Take off all contaminated clothing
Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

After eye contact:

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing for 15-20 minutes
Get medical advice if eye irritation persists

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

Unsuitable extinguishing media:

Do not use a water stream as an extinguisher

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors
Vapors can flow to distant ignition sources and flashback
Liquid is volatile and may generate an explosive atmosphere

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Shut off sources of ignition
Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing
Beware of vapors accumulating to form explosive concentrations
Vapors can accumulate in low areas

Environmental precautions:

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing
Use spark-proof tools and explosion-proof equipment
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.
Take precautionary measures against electrostatic discharges.
Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.
Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Acrylic Polyol	123-86-4	ACGIH TWA: 150 ppm
	Acrylic Polyol	123-86-4	ACGIH STEL: 200 ppm
	Titanium Dioxide	13463-67-7	ACGIH TLV TWA: 10 mg/m³
	Organic Tin Cmpd.	77-58-7	ACGIH TLV TWA 0.1 mg/m³ as Sn
	Ethyl Benzene	100-41-4	ACGIH TWA: 20.0 ppm
	Ethyl Benzene	100-41-4	ACGIH STEL: 125.0 ppm
	Organic Tin Cmpd.	77-58-7	ACGIH STEL 0.2 mg/m³
United States (OSHA)	Titanium Dioxide	13463-67-7	OSHA PEL TWA 15 mg/m³ (Total dust)
	Acrylic Polyol	123-86-4	OSHA PEL TWA 150.0 ppm (710.0 mg/m³)
	Ethyl Benzene	100-41-4	OSHA PEL (STEL): 125.0 ppm
	Ethyl Benzene	100-41-4	OSHA TWA 100 ppm 435 mg/m³
	Organic Tin Cmpd.	77-58-7	OSHA PEL TWA 0.1 mg/m³ as Sn
NIOSH	Acrylic Polyol	123-86-4	NIOSH TWA 150.0 ppm (710 mg/m³)
	Acrylic Polyol	123-86-4	NIOSH ST 200.0 ppm (950.0 mg/m³)
	Organic Tin Cmpd.	77-58-7	NIOSH IDLH 25 mg/m³ as Sn
	Organic Tin Cmpd.	77-58-7	NIOSH REL TWA 0.1 mg/m³ as Sn
	Ethyl Benzene	100-41-4	NIOSH TWA 100.0 ppm 435.0 mg/m³
	Ethyl Benzene	100-41-4	NIOSH ST 125.0 ppm 545.0 mg/m³
WEEL	Pigment Dispersion	108-65-6	WEEL TWA 50.0 ppm

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.
Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Blue Liquid
Odor	Solvent
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	84°F (28.9°C)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	1.02-1.12 g/mL
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	500 cP - 600 cP
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:
None known.

SECTION 11: Toxicological information

Acute toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Route	Result
Ethyl Benzene	inhalation	LCLo - Rat - 4,000 ppm/4 h

Skin corrosion/irritation
Assessment: Causes skin irritation
Product data: No data available.
Substance data:

Name	Result
Parachlorobenzotriflouride	Irritating to the skin.
Organic Tin Cmpd.	Corrosive to the skin.

Serious eye damage/irritation
Assessment: Causes serious eye irritation
Product data: No data available.
Substance data:

Name	Result
Parachlorobenzotriflouride	Irritating effect on the eyes.

Respiratory or skin sensitization
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
Organic Tin Cmpd.	Sensitization possible through skin contact.

Carcinogenicity
Assessment: Suspected of causing cancer
Product data: No data available.
Substance data:

Name	Species	Result
Titanium Dioxide	Titanium Dioxide	Airborne, unbound particles of respirable size are known to cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Ethyl Benzene	Group 2B - Possibly carcinogenic to humans
Titanium Dioxide	Group 3 - Not classifiable as to its carcinogenicity to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
Organic Tin Cmpd.	May cause mutagenic effects.

Reproductive toxicity
Assessment: Suspected of damaging fertility or the unborn child
Product data: No data available.
Substance data:

Name	Result
Organic Tin Cmpd.	May cause developmental toxicity.

Specific target organ toxicity (single exposure)
Assessment: May cause drowsiness or dizziness
Product data: No data available.
Substance data:

Name	Result
Acrylic Polyol	SE May cause drowsiness or dizziness. - Central nervous system
Ethyl Benzene	Repeated exposure damages the hearing organs.
Parachlorobenzotriflouride	Component affects the respiratory system.
Organic Tin Cmpd.	Causes damage to organs through prolonged or repeated exposure - Thymus
	Causes damage to organs through single exposure - Thymus

Specific target organ toxicity (repeated exposure)
Assessment: May cause damage to organs through prolonged or repeated exposure
Product data: No data available.
Substance data: No data available.

Aspiration toxicity
Assessment: May be fatal if swallowed and enters airways
Product data: No data available.
Substance data: No data available.

Information on likely routes of exposure: No data available.
Symptoms related to the physical, chemical and toxicological characteristics: No data available.
Other information: No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
Organic Tin Cmpd.	EC50 - Daphnia magna - 0.66 mg/L - 24 h

Chronic (long-term) toxicity
Product data: No data available.
Substance data: No data available.

Persistence and degradability

Product data: No data available.
Substance data: No data available.

Bioaccumulative potential

Product data: No data available.
Substance data: No data available.

Mobility in soil

Product data: No data available.
Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	1263
UN proper shipping name	PAINT
UN transport hazard class(es)	3
Packing group	III
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	1263
UN proper shipping name	PAINT
UN transport hazard class(es)	3
Packing group	III
Environmental hazards	None
Special precautions for user	None
EmS number	F-E, S-E
Excepted quantities	E1
Limited quantity	5L

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	1263
UN proper shipping name	PAINT
UN transport hazard class(es)	3

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Packing group	III
Environmental hazards	None
Special precautions for user	None
Excepted quantities	E1
Limited quantity	10L

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

123-86-4	Acrylic Polyol	Listed
108-65-6	Pigment Dispersion	Listed
100-41-4	Ethyl Benzene	Listed
13463-67-7	Titanium Dioxide	Listed
98-56-6	Parachlorobenzotriflouride	Listed
77-58-7	Organic Tin Cmpd.	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 311/312 hazards:

Acute	Chronic	Fire	Pressure	Reactive
No	No	No	No	No

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

100-41-4	Ethyl Benzene	Listed

CERCLA:

123-86-4	Acrylic Polyol	Listed	5000
100-41-4	Ethyl Benzene	Listed	1000

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know: Not determined.

New Jersey Right to Know: Not determined.

New York Right to Know: Not determined.

Pennsylvania Right to Know: Not determined.

California Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

100-41-4	Ethyl Benzene
13463-67-7	Titanium Dioxide
100-41-4	Ethyl Benzene
13463-67-7	Titanium Dioxide

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SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-2-0

HMIS: 2-2-0

Initial preparation date: 10.27.2016

End of Safety Data Sheet