

# Safety Data Sheet

## H43 ACRYTEK CLEAR ANTISCRATCH



Safety Data Sheet dated 5/25/2022, version 2

### 1. IDENTIFICATION

Product identifier

Mixture identification:

Trade code and name: H43 ACRYTEK CLEAR ANTISCRATCH

Recommended use of the chemical and restrictions on use

Recommended use:

2K acrylic clearcoat.

Restrictions on use:

Only for professional use.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

Industria Chimica Reggiana I.C.R. Spa

(subject to management and coordination by sole shareholder company PPG Industries Inc.)

Via Gasparini, 7 42124 REGGIO EMILIA Italia

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Competent person responsible for the safety data sheet:

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Emergency phone number

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### 2. HAZARD(S) IDENTIFICATION

Classification of the chemical

⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Repr. 2, Suspected of damaging fertility or the unborn child.

⚠ Warning, Eye Irrit. 2A, Causes serious eye irritation.

⚠ Warning, STOT SE 3, May cause respiratory irritation.

⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.

⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.

⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure if inhaled.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H317 May cause an allergic skin reaction.

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H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from open flames - No smoking.  
P260 Do not breathe vapours or spray.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280.D Wear protective gloves and clothing and eye protection.  
P312 Call a doctor if you feel unwell.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		H

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 20% - < 25% Xylene

REACH No.: 01-2119488216-32, Index number: 601-022-01-6, CAS: 1330-20-7, EC: 215-535-7

⚠ B.6/3 Flam. Liq. 3 H226

⚠ A.1/4/Inhal Acute Tox. 4 H332

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- ⚠ A.1/4/Dermal Acute Tox. 4 H312
- ⚠ A.3/2A Eye Irrit. 2A H319
- ⚠ A.8/3 STOT SE 3 H335
- ⚠ A.2/2 Skin Irrit. 2 H315
- ⚠ A.9/2 Unst. Expl.
- ⚠ A.10/1 Asp. Tox. 1 H304

>= 15% - < 20% Naphtha - hydrocarbons C9 aromatics

REACH No.: 01-2119455851-35, CAS: 64742-95-6, EC: 918-668-5

- ⚠ B.6/3 Flam. Liq. 3 H226
- ⚠ A.8/3 STOT SE 3 H335
- ⚠ A.10/1 Asp. Tox. 1 H304
- ⚠ A.8/3 STOT SE 3 H336
- ⚠ US-HAE/C2 Aquatic Chronic 2 H411

>= 7% - < 10% n-butyl acetate

REACH No.: 01-2119485493-29, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1

- ⚠ B.6/3 Flam. Liq. 3 H226
- ⚠ A.8/3 STOT SE 3 H336

>= 3% - < 5% ethylbenzene

REACH No.: 01-2119489370-35, Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4

- ⚠ B.6/2 Flam. Liq. 2 H225
- ⚠ A.1/4/Inhal Acute Tox. 4 H332
- ⚠ A.9/2 STOT RE 2 H373
- ⚠ A.10/1 Asp. Tox. 1 H304

>= 3% - < 5% 4-methylpentan-2-one

REACH No.: 01-2119473980-30, Index number: 606-004-00-4, CAS: 108-10-1, EC: 203-550-1

- ⚠ B.6/2 Flam. Liq. 2 H225
- ⚠ A.3/2A Eye Irrit. 2A H319
- ⚠ A.8/3 STOT SE 3 H335
- ⚠ A.1/4/Inhal Acute Tox. 4 H332

>= 1% - < 3% 2-butoxyethyl acetate

REACH No.: 01-2119475112-47, Index number: 607-038-00-2, CAS: 112-07-2, EC: 203-933-3

- ⚠ A.1/4/Dermal Acute Tox. 4 H312
- ⚠ A.1/4/Inhal Acute Tox. 4 H332

>= 0.5% - < 1% Benzotriazol derivates

REACH No.: 01-0000015075-76, Index number: 607-176-00-3, CAS: 104810-48-2, EC: 400-830-7

- ⚠ A.4.2/1 Skin Sens. 1 H317
- ⚠ US-HAE/C2 Aquatic Chronic 2 H411

>= 0.25% - < 0.5% Reaction mass: Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

REACH No.: 01-2119491304-40, CAS: 1065336-91-5, EC: 915-687-0

- ⚠ A.4.2/1 Skin Sens. 1 H317
- ⚠ US-HAE/A1 Aquatic Acute 1 H400
- ⚠ US-HAE/C1 Aquatic Chronic 1 H410

>= 0.1% - < 0.25% toluene

REACH No.: 01-2119471310-51, Index number: 601-021-00-3, CAS: 108-88-3, EC: 203-625-9

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- ◆ B.6/2 Flam. Liq. 2 H225
- ◆ A.7/2 Unst. Expl.
- ◆ A.10/1 Asp. Tox. 1 H304
- ◆ A.9/2 STOT RE 2 H373
- ◆ A.2/2 Skin Irrit. 2 H315
- ◆ A.8/3 STOT SE 3 H336

>= 0.1% - < 0.25% 2-hydroxyethyl methacrylate

REACH No.: 01-2119490169-29, Index number: 607-124-00-X, CAS: 868-77-9, EC: 212-782-2

- ◆ A.3/2A Eye Irrit. 2A H319
- ◆ A.2/2 Skin Irrit. 2 H315
- ◆ A.4.2/1 Skin Sens. 1 H317

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### 4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. If irritation persists: Get medical advice/attention.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for at least 15 minutes, then consult a medic immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed

See section 11 for known symptoms and effects.

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke. Carbon oxides.

Hazardous combustion products:

None

Explosive properties: N.D.

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Oxidizing properties: N.D.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

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#### 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Storage temperature:

Store at ambient temperature.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Xylene - CAS: 1330-20-7

Italy - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL(): 442 mg/m<sup>3</sup>, 100 ppm - Notes: Assorbito attraverso la pelle

ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

Naphtha - hydrocarbons C9 aromatics - CAS: 64742-95-6

EU - TWA(8h): 100 mg/m<sup>3</sup>, 19 ppm

n-butyl acetate - CAS: 123-86-4

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EU - TWA(8h): 241 mg/m<sup>3</sup>, 50 ppm - STEL: 723 mg/m<sup>3</sup>, 150 ppm  
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

ethylbenzene - CAS: 100-41-4  
Italy - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL(): 884 mg/m<sup>3</sup>, 200 ppm - Notes: Pelle  
ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair  
EU - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL: 884 mg/m<sup>3</sup>, 200 ppm - Notes: Skin

4-methylpentan-2-one - CAS: 108-10-1  
Italy - TWA(8h): 83 mg/m<sup>3</sup>, 20 ppm - STEL(): 208 mg/m<sup>3</sup>, 50 ppm  
ACGIH - TWA(8h): 20 ppm - STEL: 75 ppm - Notes: A3, BEI - URT irr, dizziness, headache  
EU - TWA(8h): 83 mg/m<sup>3</sup>, 20 ppm - STEL: 208 mg/m<sup>3</sup>, 50 ppm

2-butoxyethyl acetate - CAS: 112-07-2  
EU - TWA(8h): 133 mg/m<sup>3</sup>, 20 ppm - STEL: 333 mg/m<sup>3</sup>, 50 ppm - Notes: Skin  
ACGIH - TWA(8h): 20 ppm - Notes: A3 - Hemolysis

toluene - CAS: 108-88-3  
Italy - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - Notes: Pelle  
ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - Visual impair, female repro, pregnancy loss  
EU - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

DNEL Exposure Limit Values

Xylene - CAS: 1330-20-7  
Worker Professional: 442 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 212 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Professional: 77 mg/m<sup>3</sup> - Consumer: 14.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
Worker Professional: 212 mg/kg - Consumer: 125 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated)  
Worker Professional: 221 mg/m<sup>3</sup> - Consumer: 65.3 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term (repeated)  
Consumer: 12.5 mg/kg/day - Exposure: Human Oral - Frequency: Long Term (repeated)

Naphtha - hydrocarbons C9 aromatics - CAS: 64742-95-6  
Worker Professional: 25 mg/kg - Consumer: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Professional: 150 mg/m<sup>3</sup> - Consumer: 32 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 11 mg/m<sup>3</sup> - Exposure: Human Oral - Frequency: Long Term, systemic effects

n-butyl acetate - CAS: 123-86-4  
Consumer: 102.34 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 480 mg/m<sup>3</sup> - Consumer: 102.34 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Professional: 480 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

ethylbenzene - CAS: 100-41-4  
Worker Professional: 293 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 77 mg/m<sup>3</sup> - Consumer: 15 mg/m<sup>3</sup> - Exposure: Human Inhalation -

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Frequency: Long Term, systemic effects  
Worker Professional: 180 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

4-methylpentan-2-one - CAS: 108-10-1  
Worker Professional: 83 mg/m<sup>3</sup> - Consumer: 14.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Professional: 208 mg/m<sup>3</sup> - Consumer: 115.2 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Professional: 83 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
Worker Professional: 208 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 11.8 mg/kg - Consumer: 4.2 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

2-butoxyethyl acetate - CAS: 112-07-2  
Worker Professional: 133 mg/m<sup>3</sup> - Consumer: 67 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 27 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects - Notes: bw/day  
Consumer: 4.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/day  
Consumer: 18 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects - Notes: bw/day  
Worker Professional: 773 mg/m<sup>3</sup> - Consumer: 499 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Professional: 333 mg/m<sup>3</sup> - Consumer: 166 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 102 mg/kg - Consumer: 36 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day

Reaction mass: Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5  
Worker Professional: 1.27 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Professional: 1.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 0.9 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 0.31 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 0.18 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

toluene - CAS: 108-88-3  
Worker Professional: 384 mg/m<sup>3</sup> - Consumer: 226 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Professional: 192 mg/m<sup>3</sup> - Consumer: 56.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 8.13 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values  
Xylene - CAS: 1330-20-7  
Target: Purification plant - Value: 6.58 mg/l  
Target: Marine water - Value: 0.32 mg/l  
Target: Intermittent emissions - Value: 0.32 mg/l  
Target: Freshwater sediments - Value: 12.46 mg/kg  
Target: Marine water sediments - Value: 12.46 mg/kg

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Target: Soil - Value: 2.31 mg/kg  
Target: Fresh Water - Value: 0.32 mg/l  
n-butyl acetate - CAS: 123-86-4  
Target: STP - Value: 35.6 mg/l  
Target: Fresh Water - Value: 0.18 mg/l  
Target: Marine water - Value: 0.01 mg/l  
Target: Intermittent emissions - Value: 0.36 mg/l  
Target: Freshwater sediments - Value: 0.98 mg/kg  
Target: Marine water sediments - Value: 0.09 mg/kg  
Target: Soil - Value: 0.09 mg/kg  
ethylbenzene - CAS: 100-41-4  
Target: Fresh Water - Value: 0.1 mg/l  
Target: Marine water - Value: 0.01 mg/l  
Target: Intermittent emissions - Value: 0.1 mg/l  
Target: Freshwater sediments - Value: 13.7 mg/kg  
Target: Soil - Value: 2.68 mg/kg  
Target: Purification plant - Value: 9.6 mg/l  
Target: Oral - Value: 0.02 mg/kg  
4-methylpentan-2-one - CAS: 108-10-1  
Target: Soil - Value: 1.3 mg/kg  
Target: Freshwater sediments - Value: 8.27 mg/kg  
Target: Marine water sediments - Value: 0.83 mg/kg  
Target: Fresh Water - Value: 0.6 mg/l  
Target: Marine water - Value: 0.06 mg/l  
Target: Intermittent emissions - Value: 1.5 mg/l  
Target: Purification plant - Value: 27.5 mg/l  
2-butoxyethyl acetate - CAS: 112-07-2  
Target: Purification plant - Value: 90 mg/l  
Target: Fresh Water - Value: 0.304 mg/l  
Target: Marine water - Value: 0.0304 mg/l  
Target: Intermittent emissions - Value: 0.56 mg/l  
Target: Freshwater sediments - Value: 2.03 mg/kg  
Target: Marine water sediments - Value: 0.203 mg/kg  
Target: Soil - Value: 0.68 mg/kg  
Target: Oral - Value: 0.06 g/kg  
Reaction mass: Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl  
1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5  
Target: Fresh Water - Value: 0.0022 mg/l  
Target: Marine water - Value: 0.00022 mg/l  
Target: Intermittent emissions - Value: 0.009 mg/l  
Target: Freshwater sediments - Value: 1.05 mg/kg  
Target: Marine water sediments - Value: 0.11 mg/kg  
Target: Soil - Value: 0.21 mg/kg  
Target: Purification plant - Value: 1 mg/l  
toluene - CAS: 108-88-3  
Target: Purification plant - Value: 13.61 mg/l  
Target: Freshwater sediments - Value: 16.39 mg/kg  
Target: Marine water sediments - Value: 16.39 mg/kg  
Target: Soil - Value: 2.89 mg/kg  
Target: Fresh Water - Value: 0.68 mg/l  
Target: Marine water - Value: 0.68 mg/l  
Target: Intermittent emissions - Value: 0.68 mg/l

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Xylene - CAS: 1330-20-7

Value: 1.5 g/g - medium: Urine - Biological Indicator: Creatinine in urine - Sampling Period: End of turn

ethylbenzene - CAS: 100-41-4

Value: 0.15 g/g - medium: Urine - Biological Indicator: Creatinine in urine - Sampling Period: End of turn

4-methylpentan-2-one - CAS: 108-10-1

Value: 1 mg/L - medium: Urine - Biological Indicator: Ketone (s) - Sampling Period: End of turn

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, EN374 Class 3 (B-F-I). Permeation time > 60 minutes; 0.4 mm thickness.

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

Thermal Hazards:

None

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and color:	Clear, yellowish liquid
Odour:	Typical of solvent
Odour threshold:	N.D.
pH:	N.A.
Melting point / freezing point:	-65.2°F
Initial boiling point and boiling range:	240.8°F
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.D.
Vapour density:	4 (air = 1)
Flash point:	73.4°F
Evaporation rate:	N.D.
Vapour pressure:	20,93 hPa
Relative density:	0.954 g/cm <sup>3</sup>
Solubility in water:	Insoluble
Solubility in oil:	N.D.
Auto-ignition temperature:	779°F
Decomposition temperature:	N.D.
Viscosity:	>20,5 mm <sup>2</sup> /s (40°C)
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

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### 10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

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## H43 ACRYTEK CLEAR ANTISCRATCH

### Chemical stability

Stable under normal conditions

### Possibility of hazardous reactions

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

### Hazardous decomposition products

None.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Toxicological information of the product:

N.A.

#### Toxicological information of the main substances found in the product:

Xylene - CAS: 1330-20-7

##### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 6700 ppm - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 5627 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Naphtha - hydrocarbons C9 aromatics - CAS: 64742-95-6

##### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m<sup>3</sup> - Source: OECD 403

Test: LD50 - Route: Oral - Species: Rat = 3492 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg - Source: OECD 402

n-butyl acetate - CAS: 123-86-4

##### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 6400 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 21.1 mg/l - Duration: 4h

ethylbenzene - CAS: 100-41-4

##### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Mouse = 35500 mg/m<sup>3</sup>

Test: LC50 - Route: Inhalation - Species: Rat = 55000 mg/m<sup>3</sup>

Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg

4-methylpentan-2-one - CAS: 108-10-1

##### a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Mouse = 23.29 g/m<sup>3</sup>

Test: LD50 - Route: Oral - Species: Rat = 2080 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 2000 g/kg

##### i) STOT-repeated exposure:

Test: NOAEL(C) - Route: Inhalation - Species: Rat > 250 mg/kg

2-butoxyethyl acetate - CAS: 112-07-2

##### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2400 mg/kg

Test: LD50 - Route: Oral - Species: Mouse = 3200 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 1580 mg/kg

Benzotriazol derivates - CAS: 104810-48-2

##### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5.8 mg/l

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Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Route: Skin - Species: GUINEA PIG Positive

Reaction mass: Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3.230 mg/kg

toluene - CAS: 108-88-3

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Mouse = 5320 mg/l

Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 12124 mg/kg

2-hydroxyethyl methacrylate - CAS: 868-77-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5050 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg/kg

Xylene - CAS: 1330-20-7

Inhalation: Harmful if inhaled. Very high concentrations of xylene lead to the progressive inhibition of the central nervous system (CNS), followed by coma, respiratory weakness, and finally absence of cerebral blood flow and death. High concentrations cause coma and respiratory weakening, destabilize the function of the kidneys and lead to liver damage. At low concentrations, irritation of the eyes, nasopharynx, illness, irritation, slow reaction times and reduced short-term memory occur. Vapors of xylene can cause dizziness, headache, nausea, mental confusion. Ingestion: In the event of ingestion of xylene, the injured person has a burning sensation and stomach ache, in case of aspiration there is a danger of chemical pneumonitis and pulmonary edema. Skin Contact: May be harmful if absorbed through the skin. Causes skin irritation. Contact with eyes: Vapors of xylene and xylene in liquid form irritate the eyes and membranes.

Naphtha - hydrocarbons C9 aromatics - CAS: 64742-95-6

Inhalation: Vapor concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anesthetic and may cause other central nervous system effects. Contact with the skin: Low index of toxicity. Frequent or prolonged contact can dry the skin favoring the onset of dermatitis. Eye Contact: May cause slight eye discomfort with mild irritation, but does not damage eye tissue. Ingestion: even small quantities of liquid introduced into the respiratory system during ingestion or by vomiting, can cause bronchopneumonia or pulmonary edema. minimal index of toxicity.

n-butyl acetate - CAS: 123-86-4

Components of the product can be absorbed by the body by inhalation. Main symptoms: Dizziness, narcosis, Cough, nausea, vomiting, headache, unconsciousness, shortness of breath. Repeated exposure can cause skin dryness and cracking.

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

Xylene - Group 3

ethylbenzene - Group 2B

4-methylpentan-2-one - Group 2B

toluene - Group 3.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Xylene - CAS: 1330-20-7

#### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24

Endpoint: EC50 - Species: Algae = 4.36 mg/l - Duration h: 73

Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae = 0.44 mg/l - Duration h: 73

Endpoint: NOEC - Species: Daphnia = 1.57 mg/l - Duration h: 504

Endpoint: NOEC - Species: Fish = 1.3 mg/l - Duration h: 1344

Naphtha - hydrocarbons C9 aromatics - CAS: 64742-95-6

#### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 3.2 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 2.9 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 9.2 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 1 mg/l - Duration h: 72 - Notes: NOELR

n-butyl acetate - CAS: 123-86-4

#### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 648 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96

4-methylpentan-2-one - CAS: 108-10-1

#### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 200 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish > 179 mg/l - Duration h: 96

Endpoint: NOEC - Species: Daphnia = 30 mg/l

Endpoint: NOEC - Species: Algae > 146 mg/l

Benzotriazol derivates - CAS: 104810-48-2

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia = 4 mg/l - Duration h: 48

Reaction mass: Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate - CAS: 1065336-91-5

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.97 mg/l - Duration h: 96 - Notes: Lepomis macrochirus, OECD 203

Endpoint: LC50 - Species: Fish = 7.9 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss, OECD 203

Endpoint: LC50 - Species: Fish = 0.9 mg/l - Duration h: 96 - Notes: Brachydanio rerio, OECD

Endpoint: EC50 - Species: Daphnia = 20 mg/l - Duration h: 24

Endpoint: EC50 - Species: Algae = 1.68 mg/l - Duration h: 72

toluene - CAS: 108-88-3

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 5.5 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 3.78 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 10 mg/l - Duration h: 72

#### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia < 10 mg/l

Persistence and degradability

N.A.

Bioaccumulative potential

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N.A.  
Mobility in soil  
N.A.  
Other adverse effects  
None

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### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force. DO NOT discharge into sewers, watercourses, ponds, canals or ditches. Empty product containers must be completely drained and stored safely until appropriately processes or disposed. Empty containers must be recycled, recovered or disposed of by a qualified and authorized company operating in compliance with current recycling, recovery and disposal regulations. It is advisable to provide the desposal company with all safety information of the material contained in the empty packaging. DO NOT pressurize, DO NOT cut, DO NOT weld, DO NOT puncture, DO NOT crush, DO NOT expose empty containers to heat, flames, sparks, electrostatic discharge or other sources of ignition.

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### 14. TRANSPORT INFORMATION



#### UN number

ADR-UN Number: 1263  
IATA-UN Number: 1263  
IMDG-UN Number: 1263

#### UN proper shipping name

ADR-Shipping Name: PAINT  
IATA-Shipping Name: PAINT  
IMDG-Shipping Name: PAINT

#### Transport hazard class(es)

ADR-Class: 3  
ADR-Label: 3  
ADR - Hazard identification number: 30  
IATA-Class: 3  
IATA-Label: 3  
IMDG-Class: 3  
IMDG-Class: 3.3

#### Packing group

ADR-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III

#### Environmental hazards

ADR-Enviromental Pollutant: No  
IMDG-Marine pollutant: No

#### Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

#### Special precautions

ADR-Subsidiary hazards: -

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ADR-S.P.: 163 367 640E 650  
ADR-Transport category (Tunnel restriction code): 3 (D/E)  
IATA-Passenger Aircraft: 355  
IATA-Subsidiary hazards: -  
IATA-Cargo Aircraft: 366  
IATA-S.P.: A3 A72 A192  
IATA-ERG: 3L  
IMDG-Page: 3372  
IMDG-EmS: F-E , S-E  
IMDG-Subsidiary hazards: -  
IMDG-MFAG: 310  
IMDG-Stowage and handling: Category A  
IMDG-Segregation: -

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### 15. REGULATORY INFORMATION

#### USA - Federal regulations

##### TSCA - Toxic Substances Control Act

List of substances included in the TSCA inventory: Xylene, n-butyl acetate, ethylbenzene, 4-methylpentan-2-one, 2-butoxyethyl acetate, Reaction mass:

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, toluene, 2-hydroxyethyl methacrylate.

List of substances not included in the TSCA inventory: Naphtha - hydrocarbons C9 aromatics, Benzotriazol derivatives.

TSCA listed substances:

Xylene is listed in TSCA Section 8b

n-butyl acetate is listed in TSCA Section 8b

ethylbenzene is listed in TSCA Section 8b, Section 8d HSDR

4-methylpentan-2-one is listed in TSCA Section 8b, Section 8d HSDR

2-butoxyethyl acetate is listed in TSCA Section 8b

Reaction mass: Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate is listed in TSCA Section 8b

toluene is listed in TSCA Section 8b, Section 8d HSDR, Section 8a - CAIR

2-hydroxyethyl methacrylate is listed in TSCA Section 8b.

##### SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances: no substances listed.

Section 304 - Hazardous substances: Xylene, n-butyl acetate, ethylbenzene, 4-methylpentan-2-one, toluene.

Section 313 - Toxic chemical list: Xylene, ethylbenzene, 4-methylpentan-2-one, toluene.

##### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: Xylene - Reportable quantity: 100 pounds

n-butyl acetate - Reportable quantity: 5000 pounds

ethylbenzene - Reportable quantity: 1000 pounds

4-methylpentan-2-one - Reportable quantity: 5000 pounds

toluene - Reportable quantity: 1000 pounds.

Reportable quantity for mixture: 42.37288136 pounds.

##### CAA - Clean Air Act

CAA listed substances:

Xylene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

n-butyl acetate is listed in CAA Section 111

ethylbenzene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

4-methylpentan-2-one is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

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2-butoxyethyl acetate is listed in CAA Section 111, Section 112(b) - HON  
toluene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.

#### CWA - Clean Water Act

CWA listed substances:

Xylene is listed in CWA Section 304, Section 311

n-butyl acetate is listed in CWA Section 304, Section 311

ethylbenzene is listed in CWA Section 304, Section 307, Section 311, CWA Priority Pollutants

4-methylpentan-2-one is listed in CWA Section 304

toluene is listed in CWA Section 304, Section 307, Section 311, CWA Priority Pollutants.

#### USA - State specific regulations

##### California Proposition 65

Substance(s) listed under California Proposition 65:

ethylbenzene - Listed as carcinogen

4-methylpentan-2-one - Listed as carcinogen and reproductive toxicant

toluene - Listed as reproductive toxicant.

##### Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Xylene

n-butyl acetate

ethylbenzene

4-methylpentan-2-one

toluene.

##### New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

Xylene

n-butyl acetate

ethylbenzene

4-methylpentan-2-one

2-butoxyethyl acetate

toluene.

##### Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Xylene

n-butyl acetate

ethylbenzene

4-methylpentan-2-one

toluene.

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## 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H225 Highly flammable liquid and vapour.

H373 May cause damage to organs through prolonged or repeated exposure.

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H317 May cause an allergic skin reaction.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

Safety Data Sheet dated 5/25/2022, version 2  
Sections modified from the previous revision:

2. HAZARD(S) IDENTIFICATION  
3. COMPOSITION/INFORMATION ON INGREDIENTS  
6. ACCIDENTAL RELEASE MEASURES  
7. HANDLING AND STORAGE  
8. EXPOSURE CONTROLS/PERSONAL PROTECTION  
9. PHYSICAL AND CHEMICAL PROPERTIES  
11. TOXICOLOGICAL INFORMATION  
12. ECOLOGICAL INFORMATION  
SECTION 14: Transport information  
15. REGULATORY INFORMATION

### Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ATE: Acute Toxicity Estimate  
ATEmix: Acute toxicity Estimate (Mixtures)  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived No Effect Level.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
HMIS: Hazardous Materials Identification System  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
NFPA: National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration.

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PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods  
by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWA: Time-weighted average