



SAFETY DATA SHEET

HARDENER

50H

Date of preparation
Passport ID

2020.04.01
BCR 50H-1

1. CHEMICAL PRODUCT AND MANUFACTURER OR SUPPLIER INFORMATION

Identifiers product

Product name BCR 2K Acrylic HARDENER 50H
Product code

Recommended and not recommended uses of the substance or mixture

Appointment BCR2 K hardener 50H for BCR 323 HS clearcoat

Details of the supplier in the safety data sheet

Company name UAB SVYDIS
Address Europos pr. 121, LT - 46339, Kaunas, Lithuania
Telephone +370 37 341739
info@svydis.lt

Telephone for emergencies +370 5 2362052 (08.00 - 17.00)

2. IDENTIFICATION DANGERS

Classification substances or mixtures

Classification

In accordance with Regulation (EC) No. 1272/2008 (CLP).
Flam. Liq. 3, H226;
Skin Irrit. 2, H315;
Skin Sens. 1, H317;
Acute Tox. 4, H332;
STOT SE 3, H335;
STOT SE 3, H336;
Aquatic Chronic 3, H412.

Label elements

Marking in accordance with regulation (EU) No. 1272/2008 (CLP).

Pictogram



Signal word

Warning

Hazard statements:

H226 Flammable liquid and vapor.
H315 Causes skin irritation.



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Precautions

H317 May cause an allergic skin reaction.H332 Harmful if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 Could to summon drowsiness or dizziness.
H412 Harmful for aquatic organisms with long-term consequences.
EUH204 Contains isocyanates. May cause allergic reactions.

P210 Keep away from heat / sparks / open flames / hot surfaces. Do not smoke.
P261 To avoid inhalation dust / smoke / gas / mist / vapor / liquid spray.
P280 Enjoy protective gloves / protective clothing / eye (face) protection.
P363 Wash contaminated clothing before reuse.
P403 + P233Store in a well-ventilated place. Keep container tightly closed.
P312 Call a POISON CENTER or doctor if you feel unwell.
P501 Dispose of contents / container at the disposal of authorized organizations.

Other hazards

Not data

3. COMPOSITION (INFORMATION ON INGREDIENTS)

Substances Productis a mixture. The health risks are assessed based on its constituent components.

Mixes

Chemical characteristic

Mixture, consisting of isocyanate and solvent.

Hazardous components

CAS no .; Index No.	EINECS No. Reach No.	Chemical name	Concentration %	Classification according to regulation (EC) no .. 1278/2008
123-86-4; 607-025-00-1	204-658-1 01-2119485493-29	n-Butyl acetate	30-50	Flam.Liq. 3, H226 STOT SE 3, H336
1330-20-7; 601-022-00-9	215-535-7 01-2119488216-32	Xilen	20-40	Flam.Liq 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox.
28182-81-2; -	500-060-2 -	Aliphatic polyisocyanates	20-30	SkinSens. 1, H317 Acute Tox. 4, H332 STOT SE 3,
64742-95-6; 649-356-00-4	265-199-0 -	Solventnafta (naphtha) light aromatic	<5	Flam.Liq 3, H226 Asp.Tox.1, H304 STOT SE 3, H335 STOT SE 3, H336

Detailed information can be found in column 16.

4. MEASURES FIRST AID

Description of first aid measures

General information

Dizziness, nausea, vomiting, heavy breathing, skin and eye irritation. If you experience these symptoms, seek medical attention immediately. Give nothing if the person is unconscious.

Inhalation

Move to fresh air, sit down, shelter warmly and remain at rest. If the person is not breathing or breathing is irregular, perform artificial respiration. If irritation persists, seek medical advice.

Skin contact

Remove contaminated clothing. Wash off immediately with warm water and soap. Do not use organic solvents.

In case of eye contact

If contact lenses are used, remove them. Rinse with plenty of running water for at least 15 minutes and consult a doctor.

Ingestion

Seek medical advice immediately and show this label or container. Do not induce vomiting.

The most important symptoms and effects,

on Section 11.



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(sharp and slow)

Indication of the need for immediate medical assistance and special treatment

If the victim located in unconscious, put in stable situation and see a doctor.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Dioxide carbon, foamy fire extinguishers powder, fire extinguishers, sand.

Fire-fighting equipment, which should avoid for security reasons

water jet.

Special factors the risk of which is the substance or mixture

Dangerous products by burning

In the composition may be carbon monoxides, nitrogen oxides.

Recommendations for firefighters

Fire risks and explosion

Steam and air can form explosive mixtures. Remove all sources of ignition.

Personal protective equipment

Appropriate respiratory protection as well as protective clothing.

6. MEASURES ACCIDENT RELIEF

Measures precautions for personnel, protective gear and emergency measures

Use away from possible source of fire (fire, sparks and etc.) Places must be provided with good exhaust ventilation. Do not breathe vapor. See section 8.

Measures environmental protection

To avoid leaking in the environment. Avoid getting into water supply systems, sewerage systems, soil, surface waters. In case of leakage of pollution into the environment, inform the regional employees of the Ministry of Emergency Situations or the department for environmental protection.

Methods and materials for localization and cleaning

If leaking, absorb with any inert material (sand, earth or universal absorbent). Collect waste in a specially marked container and dispose of only in designated places. See section 13.

Links to other sections

Observe the safety directives (see. 7 and 8).



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7. APPEAL AND STORAGE

Measures precautions when working with product

Avoid education vapor concentration

harmful substances exceeding the maximum critical values of combustion and explosion hazard. Avoid contact with skin and eyes. When handling the product, try not to inhale vapors, dust, aerosol particles.

Do not eat, drink or smoke when handling the product. Workers should wash their hands and face before smoking or eating food. Use appropriate protective equipment. See section 8. Observe labor protection rules.

Keep away from hot spots. Do not use sparking tools. When pouring from one package to another, use grounding. Wear anti-static clothing and footwear.

Where the product is being sprayed, ensure good exhaust ventilation. If ventilation is inadequate, compressed air cylinders should be used while spraying.

Product vapors and air can form an explosive mixture.

Vapors are heavier than air, therefore they concentrate closer to the floor.

Conditions for safe storage taking into account any incompatibilities

Stick to storage requirements

flammable and hazardous materials. Keep away from sources of ignition - no smoking. Store in a dry, well-ventilated place in tightly closed original containers. Do not use pressure to empty the container. Do not empty into drains. Use a sealed metal container. Keep away from strong oxidizing agents, acids and bases.

Specificend use

No data

8. HARMFUL CONTROL EXPOSURE / PERSONAL PROTECTION

Control parameters

Limit values

Name	CAS No.	Variety	Limit values	
			mg / m ³	ppm
n-Butyl acetate	123-86-4	MPCVP	500	100
		MPCKV	700	150
Xilen	1330-20-7	MPCVP	221	fifty
		MPCKV	442	100

Control impact

Technical Measures

Provide good ventilation. Use a respirator while working with the spray, even with good ventilation.

Personal protective equipment

Respiratory paths

If workers need to work in an environment where limiting critical values exceed the norms, then it is necessary to use appropriate respiratory protection systems.

Hand

Nitrile or neoprene gloves (EN 374). Protective creams.

Eye

Safety glasses (EN166) with side protection for product splashing.

Skin

Workers should wear non-electrifying natural fiber clothing or synthetic clothing that does not melt at high temperatures at high temperatures.

Control environmental impact

No admit leking in sewerage, Unpaved water. See 7 and 12.

9.

PHYSICAL AND CHEMICAL PROPERTIES

Information about basic physical and chemical properties

State of aggregation	Liquid
Color	Transparent, colorless
Smell	Peculiar organic solvents
Concentration value hydrogen ions	pH No data
Boiling temperature, ° C	No data
Freezing / boiling point ° C	No data
Autoignition temperature ° C	No data
Vapor pressure, kPa	No data
Temperature outbreaks	> + 23 ° C
Density, g / cm ³ (20 ° C)	0.93 ± 0.02



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Solubility Insoluble in water

Other information No data

10. STABILITY AND REACTIVE ABILITY

Reactivity No data
Chemical stability Stable under normal conditions of storage and use (see Section 7).
Possibility of hazardous reactions In time of normal use, unknown hazardous reactions.
Conditions and the materials to be followed To avoid Avoid source of heat, strong oxidizing agents, bases, acids
Hazardous decomposition products Carbon monoxide, carbon dioxide, nitrogen oxides

11. TOXICOLOGICAL INFORMATION

Information about toxicological effects

Data about research no. The product has been assessed in accordance with the Hazardous Materials Directive 1999/45 / EB and the classification of the toxicological hazard has been determined. See sections 3 and 15.

Couples and solvent aerosols are harmful if inhaled. Prolonged exposure to preparations containing solvents, the concentration of which exceeds the permissible values in the working environment, can cause such undesirable effects as: irritation of the respiratory tract mucosa, effects on the central nervous system, liver and kidneys. Undesirable effects are manifested as: headaches, dizziness. Repeated or prolonged contact of the drug with the skin can cause natural removal of the fatty film from the skin surface, which can subsequently cause skin contact dermatitis. Eye contact may irritate conjunctiva.

Sudden toxicity: n-butyl acetate

LC50 (inhalation / rat) > 21 mg / l / 4h

LD50 (leather,rabbits) 141400 mg / kg

LD50 (oral, rats) 13100 mg /

kg Xylene

LC50 (inhalation / rat) 47635 mg / l / 6h

LD50 (leather, rabbits) > 4350 mg / kg

LD50 (oral, rats) 4300 mg /

kg Solventnafta (naphtha)

LC50 (inhalation / rat) 28.1 mg / l / 4h

LD50 (leather, rabbits) > 20,000 mg / kg

LD50 (oral, rats) > 3500 mg /

kg Skin corrosion and / or irritation

Not data



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Serious eye damage and / or irritation Data not available
Airway or skin sensitization Data not available
Germ cell mutagenicity Data not available
Carcinogenicity No data
Reproductive toxicity No data
STOT (single exposure) No data
STOT (repeated exposure) No data
The danger aspiration No data

12. ECOLOGICAL INFORMATION

Data about research no. The product has been evaluated in accordance with the Hazardous Materials Directive 1999/45 / EB and has been classified as a toxicological hazard. See sections 3 and 15.
Do not empty into drains or ground water.

Toxicity

n-Butyl acetate

LC50 (Leuciscusidus)	71-141mg / l / 48h
EC50 (Daphnia magna)	73 mg / l / 24h
EC50 (Ps. Putida)	959 mg / l / 18h

Xilen

LC50 (Leuciscusidus)	86 mg / l / 48h
EC50 (Daphnia magna)	150 mg / l / 24h

Solventnafta (naphtha)

LC50 (Leuciscus idus)	320-435 mg / l / 48h
EC50 (Daphnia magna)	170 mg / l / 24h

Resilience and degradability No data

Bioaccumulation potential No data

Mobility in soil No data

Results of PBT and vPvB assessment No data

Other side effects No data

13. DISPOSAL INFORMATION

Waste Disposal Methods

Disposal of the product

Waste and packaging must be disposed of in accordance with federal and local disposal regulations. It is forbidden to discharge into the sewer.

Dangerous waste

Product classification may meet the criteria for hazardous waste.

14. INFORMATION TRANSPORTATION



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UN numberADR / RID; IMDG; ICAO / IATA	1263
ADR / RID; IMDG; ICAO / IATA	1263
Proper shipping name UN	
ADR / RID;IMDG; ICAO / IATA	A product, related to paints and varnishes
Hazard Class during transportation	
ADR / RID;IMDG; ICAO / IATA	3
Special provision	
ADR / RID	640E
Dangerous cargo code	thirty
Group packaging	
ADR / RID;IMDG; ICAO / IATA	III
Danger to the environment	
ADR / RID;IMDG; ICAO / IATA	Not
Special measures user precautions	Cm. 6-8 sections.

15. INFORMATION ON NATIONAL AND INTERNATIONAL LEGISLATION

This safety data sheet has been prepared in accordance with regulation 1907/2006.

Standards for protection and occupational health and environment, No data protective legislation, characteristic of the substance or mixture

Chemical safety assessment No data

16. OTHER INFORMATION

For professional use only.

Information provided in the safety data sheets does not relieve the consumer from the obligation to independently assess the risk in accordance with Directive 98/24 / EC.

List hazard phrases and classifications according to chapters 2 and 3: H226

Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.



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H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Flam. Liq.	Flammable liquids.
STOT SE toxicity.	Specific toxic effects on an organ (one-time action). Acute Tox. Sharp
Skin sens.	Sensitization of skin.
Skin Irrt.	Irritation skin.
Asp Tox.	The danger with aspiration.
AquaticChronic	The danger for the aquatic environment - chronic.

Maximum permissible concentration for prolonged exposure in accordance with the hygienic standard No. HN 23: 2001 on "Limits for exposure to harmful chemicals in the air of the working environment".

MPCKV- ultimate permissible concentration for short-term exposure in accordance with the hygienic standard No. HN 23: 2001 on "Maximum concentrations of exposure to harmful chemicals in the air of the working environment."

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