

## SECTION 1 • IDENTIFICATION SUBSTANCES/MIXTURES AND COMPANY/DATA SUPPLIER

### 1.1- Substance / Description of the mixture:

**Product name** BCR 20H Acrylic Hardener  
**An identification number** 20H

### 1.2- Substance / Use of the substance:

Hardener based on aliphatic polysocyanate resin for 2K acrylic primer BCR 315.

### 1.3- Company Description:

**Company name** UAB SVYDIS  
**Address** Europos pr. 121, LT - 46339, Kaunas, Lithuania  
**Telephone** +370 37 341739  
[info@svydis.lt](mailto:info@svydis.lt)

**1.4- Emergency telephone number** +370 5 2362052 (08.00 - 17.00)

## SECTION 2 • DESCRIPTION OF THE HAZARD

### 2.1- Classification of the substance or mixture:

Classified according to Regulation 1272/2008 (SEA / GHS) (AB).

**Physical harm** Flammable liquid, hazard category 3

**Harm to health** Irritating to skin, hazard category 2  
Leads to oversensitivity of the skin, Severity 1  
May cause damage to specific organs - single exposure  
hazard category 3

**Harm to the environment** Not relevant.

### 2.2- Label elements:

**Hazard pictogram(s)**



GHS02

GHS07

**Signal word:** Warning

**Hazard statements:**

**H226** Flammable liquid and vapor  
**H315** Irritating to skin



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<b>H317</b>	May cause an allergic skin reaction
<b>H335</b>	May cause respiratory irritation
<b>H336</b>	May cause drowsiness or dizziness
<b>EUH066</b>	May cause dry and chapped skin with repeated exposure.
<b>P210</b>	Keep away from heat / sparks / open flames / hot surfaces. - Do not smoke.
<b>P241</b>	Use explosion-proof electrical / ventilation / lighting /... / equipment.
<b>P243</b>	Take precautionary measures against static discharge.
<b>P264</b>	Thoroughly wash the contact area after work
<b>P270</b>	Do not eat, drink or smoke when using this product.
<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P280</b>	Wear protective gloves / protective clothing / eye protection / face protection.
<b>P304 + P340</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>P301 + P310</b>	IF SWALLOWED: Immediately call a Poison Control Center at 114 or a healthcare professional.
<b>P303 + P361 + P353</b>	Skin (or hair) contact: Take off immediately all contaminated clothing, rinse skin with water / shower.
<b>P305 + P351 + P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing the eyes.
<b>P405</b>	Store in a closed container.
<b>P403 + P233</b>	Store in a well-ventilated place. Keep container tightly closed.

## SECTION 3 • COMPOSITION / INFORMATION ON INGREDIENTS

Substance name	Concentration	CAS number	EC number	Classification 1272/2008 (CLP)
Hexamethylene Diisocyanate	% 25-45	28182-81-2	500-060-2	Acute toxicity 4 H332, May cause allergic skin reaction 1 H317, EKR Single exposure 3 H335, Flammable liquid 3 H226
Xylene	% 30-50	1330-20-7	215-535-7	Flammable liquid 3 H226, Acute toxicity 4 H332, H312, Calls skin irritation 2 H315
Butyl Acetate	% 25-35	123-86-4	204-658-1	Flammable liquid 3 H226, VKO single exposure 3 H336
2-butoxyethanol	% 3-10	108-65-6	203-603-9	Flammable liquid 3 H226

## SECTION 4 • FIRST AID PRECAUTIONS

### 4.1 Description of first aid measures

<b>Eye contact</b>	: Remove contact lenses, if present, and rinse your eyes with clean water, wait 10 minutes without closing your eyes. See your doctor immediately.
<b>Inhalation</b>	: Remove victim to fresh air. If the victim loses consciousness, give artificial respiration through the mouth. Call a doctor immediately.



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**Skin contact** :Take off all contaminated clothing immediately. Wash skin with soapy water or use a disinfected skin tissue.

**Digestion** :If swallowed, get medical attention or show this label. Provide the victim with warm, comfortable rest. Do not induce vomiting.

## 4.2 Most important symptoms and effects, both acute and delayed

There is no data on the use of the mixture. Using collection method (EC) No 1272/2008, the CLP mixture has been evaluated and based on this has been classified for toxicological properties.

## 4.3 Indication of any immediate medical attention and special treatment needed

**Special applications** : Doesn't require any special treatment.

## SECTION 5 • FIRE FIGHTING MEASURES

### 5.1 Fire extinguishers

**Suitable fire extinguishers** : Recommended: sand, carbon dioxide (CO<sub>2</sub>), alcohol resistant foam.

**Unsuitable fire extinguishers** : Water is not effective for extinguishing.

### 5.2 Special hazards arising from the substance or mixture

**Dangers from the substance or mixture** : Flammable. In case of fire, toxic gases can be generated.

### 5.3 Advice for firefighters

**Specialist. Protection for firefighters** : Always use fire-resistant equipment to protect against fire. Collect water that should not be drained into the sewer system. Contaminated water used for fire extinguishing and residual waste from the fire must be disposed of in accordance with current legislation. Self-contained breathing apparatus, protective light clothing and protective gloves are required.

## SECTION 6 • ACCIDENTAL RELEASE MEASURES AFTER AN EMERGENCY

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wearing suitable protective equipment (including personal protection as specified in section 8 of the safety data sheet). Keep away from sources of ignition. Ventilate the room. Be careful about spilled products. This information is for firefighters and emergency workers.

### 6.2 Environmental precautions

In case of leaks, clean up immediately using absorbent material. Do not allow product to enter sewers or bodies of water. In case of spillage into water bodies or sewage system, inform the relevant authorities about it.

### 6.3 Methods and material for containment and cleaning up



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Collect with drip into steel containers. If it is impossible to process products or the waste pool is small, collect it with sand, vermiculite, diatomaceous earth. Rinse the contaminated area with plenty of water. Collect used water for disposal.

## 6.4 References to other sections

For emergency information see section 1.

For personal protective equipment see section 8.

For more information on waste disposal see section 13.

## SECTION 7 • HANDLING AND STORAGE

### 7.1 Handling

#### Precautions for safe handling

:Use grounding cables when transferring products from one container to another. Workers must wear anti-static footwear, fireproof clothing. Keep away from heat and sources of flame. Use only non-sparking devices. Avoid contact with skin and eyes. Avoid inhaling dust, vapors, spray emitted when applying the mixture. Do not eat, drink or smoke when moving, storing or handling material.

#### 7.2 Conditions for safe storage, including incompatibilities

: Store as directed. Keep products manufactured in suitable containers. Keep the lid closed and markings should be made. Keep away hot products in contact with water to avoid the risk of sudden steam release.

### 7.3 Specific end use (s)

**Recommendations** : Missing any information

## SECTION 8 • EXPOSURE RESTRICTION AND CONTROL / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure Standards and Limits

Name of substance	A type	Limits value			
		TWA (8 ocloc'k)		STEL (15 minutes.)	
		mg / m3	ppm	mg / m3	ppm
Xylene	OEL	221	fifty	442	100
Hexamethylene Diisocyanate	WME VLE	0.075	0.01	0.15	0.02
2-butoxyethanol	WME VLE	275	fifty	550	100
n-butyl acetate	TLV	713	150	950	200

### 8.2. Exposure control

**Appropriate technical control** : It is possible to apply the use of local ventilation within a reasonable evacuation system. In cases where the density of the vapor and particle intensity is insufficient to meet the standard, a suitable breathing apparatus must be used.

**Individual protection means** : To avoid the risk of exposure to dust / fume / gas / mist / vapor / atomized substance, use eye protection in accordance with current standards. If contact is possible, the following devices should be used: protective goggles. Recommended: tight-fitting safety goggles. Always wear waterproof, air-tight protective gloves in accordance with current standards. If there is a risk, use a gas mask in accordance with current standards.



**Environmental impact control** : Prevent spillage into bodies of water

### SECTION 9 • PHYSICOCHEMICAL PROPERTIES

#### 9.1 Basic information related to chemical and physical properties

Phys. state	Liquid
Color	Colorless
Odor	Characteristic
pH	Not relevant
Boiling point / boiling range	Does not meet the requirements
Flash point	27 ° C
Flash point (solid, gaseous)	Does not meet
Explosion properties	Does not meet the requirements
Oxidation properties	Does not meet
Steam pressure	Does not meet
Density	0.95 ± 0.1 g / ml
Solubility	
- in water	Insoluble
- in oil (uk. Soluble oil)	Insoluble
Distribution ratio (octanol / water)	Does not meet the requirements
Viscosity	Does not meet the requirements
Vapor density	Does not meet
Evaporation rate	Does not meet
VOC	665 g / l

### SECTION 10 • STABILITY AND REACTIVITY

**10.1 Reactivity** : There is no data from any testing related to this product.

**10.2 Chemical stability** :The product is stable under recommended storage conditions. (See SECTION 7)

**10.3 Possibility of hazardous reactions** :No dangerous reactions have been observed.

**10.4 Situations to Avoid** : A reaction will occur in the presence of alcohol, amines, alkalis and aqueous solutions. Large amounts of CO<sub>2</sub> in enclosed spaces creates a pressure risk and insoluble solution.

**10.5 Incompatible substances** : Alcohols, amines, alkalis, water and aqueous solutions.

**10.6 Hazardous / reactive products** : Carbon Oxide, Carbon Dioxide, Nitrogen Oxides...

## SECTION 11 • TOXICOLOGICAL INFORMATION

There is no data on the use of the mixture. Using collection method (EC) No 1272/2008, the CLP blend has been evaluated and based on this were classified for toxicological properties... See Section 2 and 3 for details.

May cause burning sensation and eye irritation. May cause an allergic skin reaction. Inhalation of vapors may irritate the upper respiratory tract. The product may cause loss of reflex and cause drowsiness and dizziness.

### Acute toxicity

n-butyl acetate	LD50 (Oral) Oral 10760 mg / kg Rat LD50 (Dermal) dermal >14112 mg / kg Rabbit LC50 (respiratory) 23.4 mg / 4h Rat
Xylene	LD50 (Oral) Oral 3523 mg / kg Rat LD50 (Dermal) dermal 4350 mg / kg Rabbit LC50 (respiratory) 6350 ppm / 4h Rat
2-butoxyethanol	LD50 (Oral) Oral > 5000 mg / kg Rat LD50 (Dermal) dermal > 5000mg / kg Rabbit LC50 (respiratory) > 6193 ppm / 4h Rat
Hexamethylene Diisocyanate	LD50 (Oral) by mouth 5000 mg / kg

### Specific organ toxicity -Single exposure

Product / Name of containing substance	Category	Method of exposure	> 5000 mg / kg
n-butyl acetate	Category 3	inhalation	Anesthesia

## SECTION 12 • ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

There is no information available on the use of this mixture. Prevent leakage into bodies of water.

### 12.2 Persistence and degradability

**Result / Summary** : There is no data.

### 12.3 Potential to bioaccumulate

Products / Content Name	Log kow	Potential
Xylene	3.12	Low
N-butyl acetate	2.3	Low
Methoxy-1-methylethyl acetate	1.2	Low

### 12.4 Mobility in soil

Soil / Water Distribution (KOC) : There is no data.

Mobility (mobility) : There is no data.

### Results of evaluating the properties of PBT and vPvB

PBT : Not applicable.

vPvB : Not applicable.

12.5 Other side effects : Do not allow to enter running water, sewers and underground waters.

## SECTION 13 • RECOMMENDATIONS FOR WASTE DISPOSAL

### 13.1 Removal methods

Waste should be avoided or minimized whenever possible. Always dispose of this product, solutions and any by-products in accordance with environmental and waste disposal laws and local authority requirements. Dispose of surplus or non-recyclable products with a licensed waste collection contractor. Untreated waste should not enter the sewage system if it does not fully meet the requirements of all subordinate bodies. Care should be taken when handling empty containers that have not been cleaned or rinsed. The remaining packaging is recyclable. Incineration or landfill may only be used if recycling is not feasible.

## SECTION 14 • TRANSPORTATION INFORMATION

	ADR / RID	IMDG	IATA
UN Number	1263	1263	1263
Correspondingly. Tran. UN name	Materials related to paints	Materials related to paints	Materials related to paints
Transport hazard class	3 Flammable liquids 	3 Flammable liquids 	3 Flammable liquids 
Packing group	III	III	III
Harm to the environment	Not	Not	Not
Special precautions for users	<u>Special provisions</u> 163-640E  <u>Limited quantity</u>	EmS Fire Codes FE  EmS Spill Codes	



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	<b>5L</b>  <u>Exceptional quantities code</u> E1  <u>Tunnel code</u> D / E	<b>SE</b>	
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## SECTION 15 • REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations specific to the substance or mixture

**Seveso Directive** : The product has been tested according to the Seveso directive.  
**Seveso category** : Category 6

Tested within the framework of health and safety at work.

Verified under the decree 29204 drawn up on December 13, 2014 on the safety of hazardous substances and mixtures.

**Substances for confirmation by Regulation 1907/2006 (REACH) (CE)** : Not specified.  
**Substances related to the Stockholm agreement** : Not specified.  
**Substances related to the Rotterdam agreement** : Not specified.

**Montreal Protocol (Annexes A, B, C, E)**: Not specified.

### 15.2 Chemical Safety Assessment

A chemical safety assessment based on the mixture and related substances has not been compiled.

## SECTION 16 • OTHER INFORMATION

**Update:** Control 2. On the basis of the GBF regulation drawn up on 13.12.2014 under the number 29204.

### Abbreviations:

**ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

**CAS NUMBER:** Chemical Abstract Service Registration Number

**CLP:** Law on the Classification, Labeling and Packaging of Chemical Substances and Mixtures [Regulation (AB) No. 1272/2008]

**IDENTIFICATION EUH:** CLP-Specific Hazardous Identification

**LD50:** Deadly Concentration% 50

**LC50:** Deadly Concentration% 50

**INDEX NUMBER:** Defining number in Annex VI of the Regulation.

**ECHA:** European Chemicals Agency website

**vPvB:** Very persistent and bioavailable

**PBT:** Persistent, bioaccumulative and toxic

**OEL:** Exposure Level

**REACH:** EC Regulation 1907/2006



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**TWA STEL:** Short exposure limit

TWA: Average Exposure Limit

IATA DGR: Dangerous Goods Regulations (DGR) for Air Transport (IATA)

**IMDG:** International Maritime Code for the Carriage of Hazardous Substances

ATE: Specified Acute Toxicity

## Sources of key knowledge:

It is classified in accordance with Regulation (EC) No. 1272/2008 [CLP / GHS].

## Full description of the (H) hazard statements specified in sections 2 and 3:

H226	Flammable liquid and vapor.
H315	Irritating to skin.
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
EUH066	May cause dry and chapped skin with repeated exposure.

## Full description related to classification [CLP / GHS]:

Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Irrit. 2 H317 Acute Tox. 2 H336 H335	Flammable liquid - Category 3 Causes Serious Skin Irritation - Category 2 May cause an allergic skin reaction Specific organ toxicity - Single exposure - Category 3 May cause respiratory irritation
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## Reader warnings:

The information presented in the safety data sheet was obtained on the basis of the existing level of knowledge and experience and compiled in accordance with the current legislation. This information indicates cautious use, but does not describe its specifics. The products should not be used without asking responsible persons, without purchasing written instructions outside the specific purposes specified in Section 1. The user is solely responsible for deciding the suitability of any material.