

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name	:	929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums
Product code	:	000000000050411431

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub- stance/Mixture	:	Spraying hardener
-----------------------------------	---	----------------------

#### 1.3 Details of the supplier of the safety data sheet

##### Company:

BASF Coatings GmbH  
Postfach 6123  
48136 Münster  
Deutschland

##### Contact address:

BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
United Kingdom

Telephone: +44 161 475 3000  
E-mail address: product-safety-uk-and-ireland@basf.com

#### 1.4 Emergency telephone

International emergency number:  
Telephone: +49 180 2273-112

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

Specific target organ toxicity - single exposure, Category 3, Respiratory system  
Specific target organ toxicity - single exposure, Category 3, Central nervous system

Specific target organ toxicity - repeated exposure, Category 2

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

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

### 2.2 Label elements

**Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms :



Signal Word : Warning

Hazard Statements	:	H226	Flammable liquid and vapor.
		H317	May cause an allergic skin reaction.
		H319	Causes serious eye irritation.
		H332	Harmful if inhaled.
		H335	May cause respiratory irritation.
		H336	May cause drowsiness or dizziness.
		H373	May cause damage to organs through prolonged or repeated exposure.

Supplemental Hazard Statements	:	EUH066	Repeated exposure may cause skin dryness or cracking.
--------------------------------	---	--------	---

Precautionary Statements	:	<b>Prevention:</b>	
		P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P260	Do not breathe mist or vapors.
		P280	Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

#### Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous ingredients which must be listed on the label:

Hexamethylen-1,6-diisocyanat Homopolymer  
2-butoxyethyl acetate  
n-Butyl acetate  
Benzoic acid

### Additional Labeling

EUH204 Contains isocyanates. May produce an allergic reaction.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : organic solvent

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Hexamethylen-1,6-diisocyanat Homopolymer	28182-81-2  01-2119485796-17	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory system)	>= 25 - < 50
2-butoxyethyl acetate	112-07-2 203-933-3 607-038-00-2 UK-20-0537843089-5-0000 UK-20-9642318150-0-0000	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312	>= 25 - < 50

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

n-Butyl acetate	123-86-4 204-658-1 607-025-00-1 UK-20-9702550300-0-0000 UK-20-0537843089-5-0000 UK-20-9642318150-0-0000	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 20 - < 25
Benzoic acid	65-85-0 200-618-2 607-705-00-8 UK-20-9702550300-0-0000 UK-20-0537843089-5-0000 UK-20-9642318150-0-0000	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 1; H372 (Lungs)	>= 1 - < 2

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

- |                         |   |
|-------------------------|---|
| General advice          | : Never give anything by mouth to an unconscious person.<br>Move out of dangerous area.<br>In all cases of doubt, or when symptoms persist, seek medical attention.<br>Immediately remove contaminated clothing.<br>If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).<br>First aid personnel should pay attention to their own safety. |
| If inhaled              | : If breathed in, move person into fresh air.<br>If breathing is irregular or stopped, administer artificial respiration.<br>If symptoms persist, call a physician.   |
| In case of skin contact | : Do NOT use solvents or thinners.<br>Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.<br>If symptoms persist, call a physician.   |

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

- |                        |  |
|------------------------|--|
| In case of eye contact | : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.<br>Call a physician immediately.<br>If easy to do, remove contact lens, if worn. |
| If swallowed           | : Rinse mouth.<br>Do NOT induce vomiting.<br>If symptoms persist, call a physician.  |

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

- |          |   |
|----------|---|
| Symptoms | : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.   |
| Risks    | : May cause an allergic skin reaction.<br>Causes serious eye irritation.<br>Harmful if inhaled.<br>May cause respiratory irritation.<br>May cause drowsiness or dizziness.<br>May cause damage to organs through prolonged or repeated exposure.<br>Repeated exposure may cause skin dryness or cracking. |

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

- |           |   |
|-----------|---|
| Treatment | : Treat symptomatically.<br>No known specific antidote. |
|-----------|---|

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- |                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray jet<br><br>Dry powder<br><br>Alcohol-resistant foam<br><br>Carbon dioxide (CO <sub>2</sub> ) |
| Unsuitable extinguishing media | : High volume water jet  |

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

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

Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Cool containers/tanks with water spray.

## SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing vapours.  
For non-emergency personnel:  
Use personal protective equipment.  
Ensure adequate ventilation, especially in confined areas.  
Keep away from sources of ignition.  
For emergency responders:  
Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

### 6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.  
Avoid subsoil penetration.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth.  
Place in a suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant.  
One possible (flammable) decontaminant comprises (by volume): ethanol or isopropyl alcohol (50 parts); water (45 parts); concentrated ammonia solution (5 parts). A non-

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

flammable alternative is: sodium carbonate (5 parts); water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to the waste regulations (see section 13).

Ensure adequate ventilation.

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth. Place in a suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): ethanol or isopropyl alcohol (50 parts); water (45 parts); concentrated ammonia solution (5 parts). A non-flammable alternative is: sodium carbonate (5 parts); water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in non-sealed container. Once this stage is reached, close container and dispose according to the waste regulations (see section 13).

### 6.4 Reference to other sections

For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).  
Do not return residues to the storage containers.  
Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.  
When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particu-

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue:
2.1	07.06.2025	0000000000504114	06.02.2025
		31	Date of first issue: 07.06.2025

- lates and solvent vapour concentration has fallen below the exposure limits.  
The workplace should be equipped with an emergency shower and eye-rinsing facility.  
Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practice.  
Do not breathe vapors or spray mist.
- Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. The relevant fire protection measures should be noted. Use explosion-proof equipment. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.
- Hygiene measures : Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

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

- Further information on storage conditions : Keep away from heat. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing. Keep in a dry, cool and well-ventilated place.
- Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- Recommended storage temperature : 5.00 - 35.00 °C
- Packaging material : Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

### 7.3 Specific end use(s)

- Specific use(s) : Please refer to the technical leaflet for further information.



# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version 2.1      Revision Date: 07.06.2025      SDS Number: 0000000000504114      Date of last issue: 06.02.2025  
31      Date of first issue: 07.06.2025

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Hexamethylen-1,6-diisocyanat Homo-polymer	28182-81-2	TWA	0.02 mg/m3 (NCO)	GB EH40
	Further information: Capable of causing occupational asthma.			
		STEL	0.07 mg/m3 (NCO)	GB EH40
	Further information: Capable of causing occupational asthma.			
2-butoxyethyl acetate	112-07-2	TWA	20 ppm 133 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	50 ppm 332 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	50 ppm 333 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	20 ppm 133 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
n-Butyl acetate	123-86-4	TWA	150 ppm 724 mg/m3	GB EH40
		STEL	200 ppm 966 mg/m3	GB EH40
		STEL	150 ppm 723 mg/m3	2019/1831/EU
	Further information: Indicative			
		TWA	50 ppm 241 mg/m3	2019/1831/EU
	Further information: Indicative			

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

### Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
Hexamethylen-1,6-diisocyanat Homopolymer	28182-81-2	isocyanate-derived diamine (Isocyanates): 1 µmol/mol creatinine (Urine)	At the end of the period of exposure	GB EH40 BAT

### 8.2 Exposure controls

#### Engineering measures

Ensure adequate ventilation.

#### Personal protective equipment

Eye/face protection : Required when there is a risk of eye contact.  
Safety glasses with side-shields conforming to EN166

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm  
Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The suitability for a specific workplace should be discussed with the producers of the protective gloves.  
Request information on glove permeation properties from the glove supplier.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.  
Preventive skin protection  
Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

- Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)
- Skin and body protection : Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres. chemical-resistant disposable coveralls
- Respiratory protection : Suitable respiratory equipment:  
full face mask with AB2P3 class combination filter  
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Protective measures : Persons with a history of allergies, asthma, recurrent or chronic respiratory disease must not be employed in any process in which this product is used. Persons using this product should undergo lung function tests at regular intervals.  
Respiratory protective equipment should be worn by spray booth operatives.

Do not breathe vapour/spray.  
Eye wash fountains and safety showers must be easily accessible.  
If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.  
Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practice.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |            |   |  |
|------------|---|--|
| Appearance | : | liquid                                 |
| Color      | : | colorless                              |
| Odor       | : | hydrocarbon-like                       |
| pH         | : | substance/mixture is non-polar/aprotic |

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

---

Melting point/ range	:	not determined
Boiling point/boiling range	:	135.00 - 195.00 °C
Flash point	:	> 40 °C Method: ISO 3679
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	> 35.0 g/m <sup>3</sup>
Vapor pressure	:	6.0000 hPa (20 °C)  not determined (50 °C)
Density	:	1.011 g/cm <sup>3</sup> (20 °C)
Solubility(ies)		
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		
Viscosity, kinematic	:	6.6 mm <sup>2</sup> /s (23 °C)  not determined (40 °C)
Flow time	:	> 29 s Cross section: 3 mm
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Flammability (liquids)	:	Flammable liquid and vapour.
Self-heating substances	:	The substance or mixture is not classified as self heating.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

---

Metal corrosion rate	:	Not corrosive to metals.
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

---

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form ignitable mixture with air.

#### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost.  
Heat, flames and sparks.  
Avoid direct sunlight.  
Heat.

#### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

---

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Harmful if inhaled.

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

Acute inhalation toxicity : Acute toxicity estimate: 14.48 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

### Components:

#### **2-butoxyethyl acetate:**

Acute oral toxicity : LD50 (Rat): 1,880 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 1,500 mg/kg

#### **Skin corrosion/irritation**

Repeated exposure may cause skin dryness or cracking.

### Components:

#### **n-Butyl acetate:**

Assessment : Repeated exposure may cause skin dryness or cracking.

#### **Serious eye damage/eye irritation**

Causes serious eye irritation.

#### **Respiratory or skin sensitization**

##### **Skin sensitization**

May cause an allergic skin reaction.

##### **Respiratory sensitization**

Based on available data, the classification criteria are not met.

##### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

##### **Carcinogenicity**

Based on available data, the classification criteria are not met.

##### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

### STOT-single exposure

May cause respiratory irritation.  
May cause drowsiness or dizziness.

### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

### Aspiration toxicity

Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

##### Hexamethylen-1,6-diisocyanat Homopolymer:

Partition coefficient: n-octanol/water : log Pow: 9.81 (25 °C)

##### 2-butoxyethyl acetate:

Partition coefficient: n-octanol/water : log Pow: 1.51 (25 °C)  
pH: 7  
Method: OECD Test Guideline 107  
GLP: no

##### n-Butyl acetate:

Partition coefficient: n-octanol/water : Pow: 200 (25 °C)  
log Pow: 2.3 (25 °C)  
pH: 7  
Method: OECD Test Guideline 117  
GLP: yes

##### Benzoic acid:

Partition coefficient: n-octanol/water : log Pow: 1.88

### 12.4 Mobility in soil

No data available

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

#### Product:

Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product	: Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
Contaminated packaging	: Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC Packaging that is not properly emptied must be disposed of as the unused product.

## SECTION 14: Transport information

### 14.1 UN number

ADN	: UN 1263
ADR	: UN 1263
RID	: UN 1263
IMDG	: UN 1263
IATA	: UN 1263

### 14.2 UN proper shipping name

ADN	: PAINT RELATED MATERIAL
-----	--------------------------



# SAFETY DATA SHEET

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH Regu-  
lations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

<b>ADR</b>	:	PAINT RELATED MATERIAL
<b>RID</b>	:	PAINT RELATED MATERIAL
<b>IMDG</b>	:	PAINT RELATED MATERIAL
<b>IATA</b>	:	PAINT RELATED MATERIAL

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADN</b>	: 3	
<b>ADR</b>	: 3	
<b>RID</b>	: 3	
<b>IMDG</b>	: 3	
<b>IATA</b>	: 3	

### 14.4 Packing group

<b>ADN</b>	
Packing group	: III
Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3
<b>ADR</b>	
Packing group	: III
Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3
Tunnel restriction code	: (D/E)
<b>RID</b>	
Packing group	: III
Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3
<b>IMDG</b>	
Packing group	: III
Labels	: 3
EmS Code	: F-E, <u>S-E</u>
<b>IATA (Cargo)</b>	
Packing instruction (cargo aircraft)	: 366
Packing instruction (LQ)	: Y344

## SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

### 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

Packing group : III  
Labels : Flammable Liquids

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable liquid

#### 14.5 Environmental hazards

##### ADN

Environmentally hazardous : no

##### ADR

Environmentally hazardous : no

##### RID

Environmentally hazardous : no

##### IMDG

Marine pollutant : no

#### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	: Conditions of restriction for the following entries should be considered: Number on list 3, 20
--	---

Number on list 3

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

Regulation (EC) on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Control of Major Accident Hazards Regulations 2015 (COMAH) P5c FLAMMABLE LIQUIDS

Volatile organic compounds : Volatile organic compounds (VOC) content: 567 g/l

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 54.96 %

### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

Details relating to the VOC Directive 2004/42/EC:

Subcategory as indicated in Annex IIB:

dropped

Limit value for maximum VOC content as specified in Annex IIB:

dropped

### 15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

## SECTION 16: Other information

### Full text of H-Statements

H226	: Flammable liquid and vapor.
H302	: Harmful if swallowed.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.

# SAFETY DATA SHEET

According to REACH Regulation (EC) No  
1907/2006, as amended by UK REACH Regu-  
lations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114	Date of first issue: 07.06.2025
		31	

H318	: Causes serious eye damage.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H372	: Causes damage to organs through prolonged or repeated exposure if inhaled.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Eye Dam.	: Serious eye damage
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitization
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2019/1831/EU	: Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values
GB EH40	: UK. EH40 WEL - Workplace Exposure Limits
GB EH40 BAT	: UK. Biological monitoring guidance values
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
2019/1831/EU / TWA	: Limit Value - eight hours
2019/1831/EU / STEL	: Short term exposure limit
GB EH40 / TWA	: Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	: Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 929-94 0.5L HS SLOW HARDENER G2 0,5L Steel drums

Version	Revision Date:	SDS Number:	Date of last issue: 06.02.2025
2.1	07.06.2025	0000000000504114 31	Date of first issue: 07.06.2025

tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : For multi-pack systems observe material safety data sheets of all components.  
Restricted to professional users.

#### Classification of the mixture:

Flam. Liq. 3	H226
Acute Tox. 4	H332
Eye Irrit. 2	H319
Skin Sens. 1	H317
STOT SE 3	H335
STOT SE 3	H336
STOT RE 2	H373

#### Classification procedure:

Based on product data or assessment  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.

GB / EN