



## MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2025



### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- **1.1 Product identifier** For Industrial, professional and consumer only
- **Trade name:** Zebra-Coat Hardener 9018
- **Article number:** 9018
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Surface Coating
- **Application of the substance / the mixture** Surface Coating
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**  
ZebraCoat  
Unit 6 & 8  
Britannia Park Industrial Estate  
North Road  
Cobridge  
ST6 2PZ
- **Further information obtainable from:**  
[info@zebracoat.co.uk](mailto:info@zebracoat.co.uk)
- **1.4 Emergency telephone number:** +44 (0)1782 209527



### SECTION 2: HAZARDS IDENTIFICATION

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No.1272/2008**
  - Flam. Liq. 3**  
H226 Flammable liquid and vapour.
  - Skin Irrit. 2**  
H315 Causes skin irritation.
  - Eye Dam. 1**  
H318 Causes serious eye damage.
  - Skin Sens. 1**  
H317 May cause an allergic skin reaction.
  - STOT SE 3**  
H373 May cause damage to the hearing organs through prolonged or repeated exposure.
  - Aquatic Chronic 3**  
H412 Harmful to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
  -    
  - GHS02 GHS05 GHS07 GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
cyclohexanone  
Butyl ethanoate  
Xylene (mix)  
Hexamethylene-1,6-diisocyanate Homopolymer  
ethylbenzene  
Solvent naphtha (petroleum), ight aromatic  
hexamethylene-1,6 diisocyanate

(Contd. on page 2)

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

(Contd. of page 1)

- Hazard statements**

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H317 May cause an allergic skin reaction.  
 H336 May cause drowsiness or dizziness.  
 H373 May cause damage to the hearing organs through prolonged or repeated exposure.  
 H412 Harmful to aquatic life with long lasting effects.

- Precautionary statements**

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
 Rinse skin with water [or shower].  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P321 Specific treatment (see on this label).  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Additional information:**

Contains isocyanates. May produce an allergic reaction.

- 2.3 Other hazards**

- Results of PBT and vPvB assessment**

- PBT:** Not applicable.

- vPvB:** Not applicable.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



- 3.2 Chemical characterisation: Mixtures**

- Description:** Mixture of substances listed below with non hazardous additions.

| Dangerous components:                                                    |                                                                                                                                                                                   |           |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| CAS: 1330-20-7<br>EINECS: 215-535-7<br>Reg.nr.: 01-2119488216-32-xxxx    | Xylene (mix)<br>⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335    | >50-≤100% |
| CAS: 100-41-4<br>EINECS: 202-849-4<br>Reg.nr.: 01-2119489370-35          | ethylbenzene<br>⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332                                                                                  | >2.5-≤10% |
| CAS: 108-94-1<br>EINECS: 203-631-1<br>Reg.nr.: 01-2119453616-35-XXXX     | Hexamethylene-1,6-diisocyanate Homopolymer<br>⚠ Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335                                                                           | >2.5-≤50% |
| CAS: 108-65-6<br>EINECS: 203-603-9<br>Reg.nr.: 01-2119475791-29          | 2-methoxy-1-methylethyl acetate<br>⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336                                                                                                        | >2.5-≤10% |
| EC number: 918-668-5<br>Reg.nr.: 01-2119455851-35-xxxx                   | Solvent naphtha (petroleum), light aromatic<br>⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336                                       | >2.5-≤10% |
| CAS: 822-06-0<br>EINECS: 212-485-8<br>Reg.nr.: 01-2119457571-37-0000/5/6 | hexamethylene-1,6 diisocyanate<br>⚠ Acute Tox. 2, H330; ⚠ Resp. Sens. 1, H334; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | ≤1%       |

- Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

SECTION 4:  
FIRST AID MEASURES

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air and call for a doctor. In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately and show safety datasheet or label.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically

SECTION 5:  
FIREFIGHTING MEASURES

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.

SECTION 6:  
ACCIDENTAL RELEASE MEASURES

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

SECTION 7:  
HANDLING AND STORAGE

- **7.1 Precautions for safe handling**  
Keep receptacles tightly sealed.  
Ensure good ventilation/extraction at the workplace.  
Prevent formation of aerosols.  
Hygiene measures:  
Wash hands before breaks and at the end of workday.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed and in a well-ventilated place.  
Keep away from heat.
- **7.3 Specific end use(s)**  
No further relevant information available.

SECTION 8:  
EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

| Ingredients with limit values that require monitoring at the workplace: |                                                                                                                  |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>1330-20-7 Xylene (mix)</b>                                           |                                                                                                                  |
| WEL                                                                     | Short-term value: 441 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 220 mg/m <sup>3</sup> , 50 ppm<br>Sk; BMGV |
| <b>28182-81-2 Hexamethylene-1,6-diisocyanate Homopolymer</b>            |                                                                                                                  |
| EH40 WEL                                                                | Short-term value: 0.07 mg/m <sup>3</sup><br>Long-term value: 0.02 mg/m <sup>3</sup>                              |
| <b>100-41-4 ethylbenzene</b>                                            |                                                                                                                  |
| WEL                                                                     | Short-term value: 552 mg/m <sup>3</sup> , 125 ppm<br>Long-term value: 441 mg/m <sup>3</sup> , 100 ppm<br>Sk      |
| <b>108-65-6 2-methoxy-1-methylethyl acetate</b>                         |                                                                                                                  |
| WEL                                                                     | Short-term value: 548 mg/m <sup>3</sup> , 100 ppm<br>Long-term value: 274 mg/m <sup>3</sup> , 50 ppm<br>Sk       |
| <b>Solvent naphtha (petroleum), light aromatic</b>                      |                                                                                                                  |
| OEL                                                                     | Long-term value: 100 mg/m <sup>3</sup>                                                                           |
| <b>822-06-0 hexamethylene-1,6 diisocyanate</b>                          |                                                                                                                  |
| WEL                                                                     | Short-term value: 0.07 mg/m <sup>3</sup><br>Long-term value: 0.02 mg/m <sup>3</sup><br>Sen; as -NCO              |

(Contd. on page 5)

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

(Contd. of page 4)

## • DNELs

## 1330-20-7 Xylene (mix)

|            |      |                              |
|------------|------|------------------------------|
| Dermal     | DNEL | 108 mg/day (Con)             |
|            | DNEL | 180 mg/day (Ind)             |
| Inhalative | DNEL | 14.8 mg/m <sup>3</sup> (Con) |
|            |      | 77 mg/m <sup>3</sup> (Ind)   |

## 28182-81-2 Hexamethylene-1,6-diisocyanate Homopolymer

|            |      |                             |
|------------|------|-----------------------------|
| Inhalative | DNEL | 0.5 mg/m <sup>3</sup> (Ind) |
|------------|------|-----------------------------|

## 108-65-6 2-methoxy-1-methylethyl acetate

|            |      |                             |
|------------|------|-----------------------------|
| Oral       | DNEL | 1.67 mg/day (Con)           |
| Dermal     | DNEL | 54.8 mg/day (Con)           |
|            |      | 153.5 mg/day (Ind)          |
| Inhalative | DNEL | 33 mg/m <sup>3</sup> (Con)  |
|            |      | 275 mg/m <sup>3</sup> (Ind) |

## Solvent naphtha (petroleum), light aromatic

|            |      |                             |
|------------|------|-----------------------------|
| Oral       | DNEL | 11 mg/day (Con)             |
| Dermal     | DNEL | 11 mg/day (Con)             |
|            |      | 25 mg/day (Ind)             |
| Inhalative | DNEL | 32 mg/m <sup>3</sup> (Con)  |
|            |      | 150 mg/m <sup>3</sup> (Ind) |

## 822-06-0 hexamethylene-1,6 diisocyanate

|            |      |                               |
|------------|------|-------------------------------|
| Inhalative | DNEL | 0.035 mg/m <sup>3</sup> (Ind) |
|------------|------|-------------------------------|

## • PNECs

CAS No. 1330-20-7 Xylene mixed isomers

- Fresh water; 0.327 mg/l
- Marine water; 0.327 mg/l
- Intermittent release; 0.327 mg/l
- STP; 6.58 mg/l
- Sediment (Freshwater); 12.46 mg/kg
- Sediment (Marinewater); 12.46 mg/kg
- Soil; 2.31 mg/kg

CAS No. 28182-81-2 Hexamethylene-1,6-diisocyanate Homopolymer

Freshwater: 0.127 mg/l

Marine water: 0.0127 mg/l

Water: Intermittent release: 1.27 mg/l

Fresh water sediment: 266700 mg/kg dry weight

Marine sediment: 26670 mg/kg dry weight

STP (sewage-treatment plant): 38.3 mg/l

Soil: 53182 mg/kg dry weight

Air: No hazard identified

Secondary poisoning: Does not bioaccumulate.

## • Ingredients with biological limit values:

## 1330-20-7 Xylene (mix)

|      |                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------|
| BMGV | 650 mmol/mol creatinine<br>Medium: urine<br>Sampling time: post shift<br>Parameter: methyl hippuric acid |
|------|----------------------------------------------------------------------------------------------------------|

## 822-06-0 hexamethylene-1,6 diisocyanate

|      |                                                                                                                                        |
|------|----------------------------------------------------------------------------------------------------------------------------------------|
| BMGV | 1 µmol creatinine/mol<br>Medium: urine<br>Sampling time: At the end of the period of exposure<br>Parameter: isocyanate-derived diamine |
|------|----------------------------------------------------------------------------------------------------------------------------------------|

(Contd. on page 6)

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

### TRADE NAME: ZEBRA-COAT HARDENER 9018

(Contd. of page 5)

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** When spraying the product, use a respiratory protective device.
- **Protection of hands:**



Protective gloves

- **Eye protection:**



Tightly sealed goggles

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



|                                                                    |                                                                                             |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| • <b>9.1 Information on basic physical and chemical properties</b> |                                                                                             |
| • <b>General Information</b>                                       |                                                                                             |
| • <b>Appearance:</b>                                               |                                                                                             |
| Form:                                                              | Liquid                                                                                      |
| Colour:                                                            | Clear                                                                                       |
| Odour:                                                             | Characteristic                                                                              |
| Odour threshold:                                                   | Not determined.                                                                             |
| pH-value:                                                          | Not determined.                                                                             |
| • <b>Change in condition</b>                                       |                                                                                             |
| Melting point/freezing point:                                      | Undetermined.                                                                               |
| Initial boiling point and boiling range:                           | 126 °C                                                                                      |
| Flash point:                                                       | 24 °C                                                                                       |
| Flammability (solid, gas):                                         | Not applicable.                                                                             |
| Ignition temperature:                                              | 315 °C                                                                                      |
| Decomposition temperature:                                         | Not determined.                                                                             |
| Auto-ignition temperature:                                         | Product is not selfigniting.                                                                |
| Explosive properties:                                              | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| • <b>Explosion limits:</b>                                         |                                                                                             |
| Lower:                                                             | 1.1 Vol %                                                                                   |
| Upper:                                                             | 7.5 Vol %                                                                                   |
| Vapour pressure at 20 °C:                                          | 11.2 hPa                                                                                    |
| Density at 20 °C:                                                  | 0.941 g/cm³                                                                                 |
| Relative density                                                   | Not determined.                                                                             |
| Vapour density                                                     | Not determined.                                                                             |
| Evaporation rate                                                   | Not determined.                                                                             |

(Contd. on page 7)

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

(Contd. of page 6)

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| • Solubility in / Miscibility with water: | NOT MISCIBLE                               |
| • Partition coefficient: n-octanol/water: | Not determined.                            |
| • Viscosity:                              |                                            |
| Dynamic:                                  | Not determined.                            |
| Kinematic at 20 °C:                       | 15 s (DIN 53211/4)                         |
| • Solvent content:                        |                                            |
| Organic solvents:                         | 70.0 %                                     |
| Solids content:                           | 30.0 %                                     |
| • 9.2 Other information                   | No further relevant information available. |

SECTION 10:  
STABILITY AND REACTIVITY

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products when stored and handled correctly.

SECTION 11:  
TOXICOLOGICAL INFORMATION

- **11.1 Information on toxicological effects**
- **Acute toxicity** Harmful if inhaled.

## • LD/LC50 values relevant for classification:

**1330-20-7 Xylene (mix)**

|            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | 5,000 mg/kg (Rat) |
| Dermal     | LD50     | 2,000 mg/kg (rbt) |
| Inhalative | LC50/4 h | 11 mg/l (Rat)     |

**28182-81-2 Hexamethylene-1,6-diisocyanate Homopolymer**

|            |          |                                                   |
|------------|----------|---------------------------------------------------|
| Oral       | LD50     | >2,500 mg/kg (rat) (OECD Test Guideline 423)      |
| Dermal     | LD50     | >2,000 mg/kg (rat) (OECD Test Guideline 402)      |
| Inhalative | LC50/4 h | 0.39 mg/l (rat) (Method: OECD Test Guideline 403) |

**100-41-4 ethylbenzene**

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | 3,500 mg/kg (rat)  |
| Dermal | LD50 | 17,800 mg/kg (rbt) |

**108-65-6 2-methoxy-1-methylethyl acetate**

|            |          |                    |
|------------|----------|--------------------|
| Oral       | LD50     | >5,000 mg/kg (rat) |
| Dermal     | LD50     | 5,000 mg/kg (Rat)  |
| Inhalative | LC50/4 h | >10.8 mg/l (Rat)   |

(Contd. on page 8)

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

(Contd. of page 7)

| Solvent naphtha (petroleum), light aromatic |      |                        |
|---------------------------------------------|------|------------------------|
| Oral                                        | LD50 | 3,492 mg/kg (rat)      |
| Dermal                                      | LD50 | 3,160 mg/kg (Rab)      |
| Inhalative                                  | LC50 | /4 h >6.193 mg/l (rat) |
| 822-06-0 hexamethylene-1,6 diisocyanate     |      |                        |
| Oral                                        | LD50 | 746 mg/kg (Rat)        |
| Dermal                                      | LD50 | >7,000 mg/kg (Rat)     |
| Inhalative                                  | LC50 | /4 h 0.124 mg/l (Rat)  |

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **STOT-single exposure**  
May cause respiratory irritation
- **STOT-repeated exposure**  
May cause damage to the hearing organs through prolonged or repeated exposure.
- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

SECTION 12:  
ECOLOGICAL INFORMATION

## • 12.1 Toxicity

• **Aquatic toxicity:**

Acute Fish toxicity

Hexamethylene-1,6-diisocyanate Homopolymer

LC50 &gt; 100 mg/l

Test type: Acute Fish toxicity

Species: Danio rerio (zebra fish)

Exposure duration: 96 h

Method: Directive 67/548/EEC, Annex V, C.1.

Acute toxicity for daphnia

Hexamethylene-1,6-diisocyanate Homopolymer

EC50 &gt; 100 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 48 h

Method: Directive 67/548/EEC, Annex V, C.2.

Acute toxicity for algae

Hexamethylene-1,6-diisocyanate Homopolymer

ErC50 &gt; 1,000 mg/l

Test type: Growth inhibition

Species: scenedesmus subspicatus

Exposure duration: 72 h

Method: DIN 38412

Acute bacterial toxicity

Hexamethylene-1,6-diisocyanate Homopolymer

EC50 3,828 mg/l

Test type: Respiration inhibition

Species: activated sludge

Exposure duration: 3 h

Method: OECD Test Guideline 209

Ecotoxicology Assessment

Hexamethylene-1,6-diisocyanate Homopolymer

Acute aquatic toxicity: Based on available data, the classification criteria are not met.

Chronic aquatic toxicity: There is no evidence of a chronic aquatic toxicity.

Impact on Sewage Treatment: Because of the low bacterial toxicity, there is no risk of an adverse effect on the performance of biological waste water treatment plants.

(Contd. on page 9)

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

(Contd. of page 8)

Acute Fish toxicity  
Solvent naphtha (petroleum), light arom.  
(content of benzene less than 0,1 %)  
LC50 9.22 mg/l  
Species: Oncorhynchus mykiss (rainbow trout)  
Exposure duration: 96 h

Acute toxicity for daphnia  
Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)  
EC50 6.14 mg/l  
Species: Daphnia magna (Water flea)  
Exposure duration: 48 h

Acute toxicity for algae  
Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)  
ErC50 2.9 mg/l  
Species: Pseudokirchneriella subcapitata (green algae)  
Exposure duration: 72 h

Acute bacterial toxicity  
Solvent naphtha (petroleum), light arom.  
(content of benzene less than 0,1 %)  
EC50 1 - 10 mg/l  
Ecotoxicology Assessment  
Solvent naphtha (petroleum), light arom.  
(content of benzene less than 0,1 %)  
Chronic aquatic toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in

the aquatic environment. Data based on the safety data sheet (SDS) by the supplier.

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water danger class 3 (German Regulation)  
(Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT: Not applicable.**
- **vPvB: Not applicable.**
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13:  
DISPOSAL CONSIDERATIONS

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage.  
Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.

SECTION 14:  
TRANSPORT INFORMATION

- |                                       |                             |
|---------------------------------------|-----------------------------|
| • <b>14.1 UN-Number</b>               | UN1263                      |
| • <b>ADR, IMDG, IATA</b>              |                             |
| • <b>14.2 UN proper shipping name</b> | 1263 PAINT RELATED MATERIAL |
| • <b>ADR</b>                          | PAINT RELATED MATERIAL      |
| • <b>IMDG, IATA</b>                   |                             |

(Contd. on page 10)

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

(Contd. of page 9)

|                                                                                                                                                                                         |                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>14.3 Transport hazard class(es)</li> <li>ADR, IMDG, IATA</li> </ul>                                                                              |                                                                                                                        |
|                                                                                                        |                                                                                                                        |
| <ul style="list-style-type: none"> <li>Class</li> <li>Label</li> </ul>                                                                                                                  | 3 Flammable liquids.<br>3                                                                                              |
| <ul style="list-style-type: none"> <li>14.4 Packing group</li> <li>ADR, IMDG, IATA</li> </ul>                                                                                           | III                                                                                                                    |
| <ul style="list-style-type: none"> <li>14.5 Environmental hazards:</li> <li>Marine pollutant:</li> </ul>                                                                                | Not applicable<br>No                                                                                                   |
| <ul style="list-style-type: none"> <li>14.6 Special precautions for user</li> <li>Hazard identification number (Kemler code):</li> <li>EMS Number:</li> <li>Stowage Category</li> </ul> | Warning: Flammable liquids.<br>30<br>F-E, S-E<br>A                                                                     |
| <ul style="list-style-type: none"> <li>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</li> </ul>                                                               | Not applicable.                                                                                                        |
| <ul style="list-style-type: none"> <li>Transport/Additional information:</li> </ul>                                                                                                     |                                                                                                                        |
| <ul style="list-style-type: none"> <li>ADR</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>                                                                | 5L<br>Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| <ul style="list-style-type: none"> <li>Transport category</li> <li>Tunnel restriction code</li> </ul>                                                                                   | 3<br>D/E                                                                                                               |
| <ul style="list-style-type: none"> <li>IMDG</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>                                                               | 5L<br>Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| <ul style="list-style-type: none"> <li>UN "Model Regulation":</li> </ul>                                                                                                                | UN 1263 PAINT RELATED MATERIAL, 3, III                                                                                 |

SECTION 15:  
REGULATORY INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ul style="list-style-type: none"> <li>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</li> <li>Directive 2012/18/EU</li> <li>Named dangerous substances - ANNEX I None of the ingredients is listed.</li> <li>Seveso category P5c FLAMMABLE LIQUIDS</li> <li>Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t</li> <li>Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t</li> <li>REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 52a</li> </ul> |  |
| <ul style="list-style-type: none"> <li>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| None of the ingredients is listed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |

(Contd. on page 11)

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Printing date 13.05.2021

Revision: 13.05.2021

## TRADE NAME: ZEBRA-COAT HARDENER 9018

(Contd. of page 10)

- **National regulations:**
- **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| 1     | 0.2        |
| NK    | 70.0       |

- **Waterhazard class:** Water hazard class 3 (Self-assessment): hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16:  
OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Full text of H-Statements referred to under sections 2 and 3:**

H225 Highly Flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 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.  
 H318 Causes serious eye damage.  
 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.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.

- **Department issuing SDS:** Product safety department: LABORATORY
- **Contact:** Health & Safety Officer
- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
 (Regulations Concerning the  
 International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International  
 Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)

(Contd. on page 12)

**SAFETY DATA SHEET**

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**TRADE NAME: ZEBRA-COAT HARDENER 9018**

(Contd. of page 11)

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

