

# SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **5082 Adhesion Primer**

Creation date: **11.8.2008** · Revision: **27.6.2018** · Version: **1**

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

### 1.1. Product identifier

Product name

**5082 Adhesion Primer**



chemius.net/5fm0f

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

Relevant identified uses

Black primer

Uses advised against

No information.

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

Manufacturer

SILCO, D.O.O.

Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia

Phone: +386 3 703 3180

Fax: +386 3 703 3188

E-mail: n.cvilak@silco-automotive.com

Point of contact for safety info: Nejc Cvilak

### 1.4. Emergency telephone number

Emergency

112

Supplier

+386 3 703 3180

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 2; H225 Highly flammable liquid and vapour.

Skin Irrit. 2; H315 Causes skin irritation.

Skin Sens. 1; H317 May cause an allergic skin reaction.

Eye Irrit. 2; H319 Causes serious eye irritation.

Acute Tox. 4; H332 Harmful if inhaled.

Resp. Sens. 1; H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carc. 2; H351 Suspected of causing cancer.

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

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## 2.2 Label elements

### 2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: **Danger**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H351 Suspected of causing cancer.

H412 Harmful to aquatic life with long lasting effects.

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national regulation.

### 2.2.2. Contains:

Aromatic, aliphatic polyisocyanate (CAS: 26426-91-5)

diphenylmethanediisocyanate, isomers and homologues (CAS: 9016-87-9)

POLY(HEXAMETHYLENE DIISOCYANATE) (CAS: 28182-81-2, EC: 500-060-2)

Tris(p-isocyanatophenyl) thiophosphate (CAS: 4151-51-3, EC: 223-981-9)

### 2.2.3. Special provisions

MDI notice

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

## 2.3. Other hazards

No information.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

For mixtures see 3.2.

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Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
ethyl methyl ketone	78-93-3 201-159-0 606-002-00-3	20-50	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066		01-2119457290-43
xylene [C]	1330-20-7 215-535-7 601-022-00-9	5-10	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332		01-2119488216-32
n-butyl acetate	123-86-4 204-658-1 607-025-00-1	5-10	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066		01-2119485493-29
Aromatic, aliphatic polyisocyanate	26426-91-5 - -	4-8	Skin Sens. 1; H317		-
ethyl acetate	141-78-6 205-500-4 607-022-00-5	4-8	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066		01-2119475103-46
diphenylmethanediisocyanate, isomers and homologues	9016-87-9 - -	2,5-5	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Acute Tox. 4; H332 Resp. Sens. 1; H334 STOT SE 3; H335 Carc. 2; H351 STOT RE 2; H373		-
POLY(HEXAMETHYLENE DIISOCYANATE)	28182-81-2 500-060-2 -	2-5	Skin Sens. 1; H317 Acute Tox. 4; H332 STOT SE 3; H335 Aquatic Chronic 3; H412		01-2119485796-17
Tris(p-isocyanatophenyl) thiophosphate	4151-51-3 223-981-9 -	<2,5	Resp. Sens. 1; H334		-
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8 219-784-2 -	<1,5	Eye Dam. 1; H318		01-2119513212-58
dibutyltin dichloride [SVHC]	683-18-1 211-670-0 050-022-00-X	<0,1	Acute Tox. 3; H301 Acute Tox. 4; H312 Skin Corr. 1B; H314 Acute Tox. 2; H330 Muta. 2; H341 Repr. 1B; H360FD STOT RE 1; H372 Aquatic Acute 1; H400 [M=10] Aquatic Chronic 1; H410 [M=10]	Skin Corr. 1B; H314: C ≥ 5 % Skin Irrit. 2; H315: 0,01 % ≤ C < 5 % Eye Dam. 1; H318: 3 % ≤ C < 5 % Eye Irrit. 2; H319: 0,01 % ≤ C < 3 %	01-2119496066-31

Notes for substances:

<b>C</b>	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
<b>SVHC</b>	Substance of very high concern.

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## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General notes

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#### Following inhalation

Remove patient to fresh air - move out of dangerous area. Victim should rest in a warm place. If breathing is irregular or respiratory arrest occurs provide artificial respiration. In case of unconsciousness bring patient into stable side position and seek medical attention.

#### Following skin contact

Immediately remove contaminated clothing. Areas of the body that have come into contact with the product immediately rinse with plenty of water and possibly with mild cleaner. Do not use solvents or thinners.

#### Following eye contact

Immediately flush eyes with plenty of water, keeping eyelids open.( for at least 10 minutes) Consult a physician immediately!

#### Following ingestion

Immediately consult a doctor. Keep person warm and at rest. Do not induce vomiting!

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

#### Inhalation

Causes irritation of mucous membrane.

Coughing, sneezing, nasal discharge, labored breathing.

Negative effects can affect liver, kidney, and central nervous system.

Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness.

Asthmatic problems.

Signs/symptoms are heavy breathing, wheezing and a tightness of the chest.

Repeated exposure may cause permanent respiratory problems.

#### Skin contact

Causes irritation of mucous membrane.

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin and non-allergic contact dermatitis.

Product may be absorbed through the skin.

#### Eye contact

Splashes of product cause usual reversible eye irritation.

#### Ingestion

Causes diarrhoea.

May cause irritation of the digestive tract.

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

-

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam.

Water spray.

Fire extinguishing powder.

Carbon dioxide (CO<sub>2</sub>).

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## Unsuitable extinguishing media

Full water jet.

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

#### Hazardous combustion products

In the event of fire the following is released: nitrogen oxides (NOx). In the event of fire carbon monoxide (CO) is released. Isocyanates and HCN can be formed. Isocyanates.

### **5.3. Advice for firefighters**

#### Protective actions

In case of fire or heating do not breathe fumes/vapours.

#### Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Do not breathe vapours/smoke! Refer to protective measures listed in Sections 7 and 8.

##### **Emergency procedures**

Keep away sources of ignition. Ensure adequate ventilation. Evacuate personnel and ventilate the premises.

#### 6.1.2. For emergency responders

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### **6.2. Environmental precautions**

Do not allow product to reach water/drains/sewage systems and ground water. If accidental large entry into water or ground occurs, inform responsible authorities.

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

#### 6.3.1. For containment

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#### 6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor.

#### 6.3.3. Other information

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### **6.4. Reference to other sections**

See also Sections 8 and 13.

## **SECTION 7. HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

#### 7.1.1. Protective measures

##### **Measures to prevent fire**

Ensure adequate ventilation. Protect from heat and direct sunlight. Do not smoke. Vapours are heavier than air and spread along floor. Vapours and air form explosive mixtures.

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## Measures to prevent aerosol and dust generation

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## Measures to protect the environment

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### 7.1.2. Advice on general occupational hygiene

Do not breathe vapours/mist. Avoid contact with skin and eyes. Use safety glasses and safety gloves. Wear suitable respiratory protection (section 8).

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

### 7.2.1. Technical measures and storage conditions

Keep in well closed containers. Keep unauthorized personnel away. Keep in tightly closed container. Keep away from moisture. The product reacts with water, forming an insoluble polymer and liberating carbon dioxide which could cause an excessive pressure increase in the closed containers. Keep away from oxidising substances. Store away from alkaline substances. Store away from strong acids. Follow label instructions. Keep container in a well ventilated place. Keep in a dry place. Protect from open fire, heat and direct sunlight.

### 7.2.2. Packaging materials

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### 7.2.3. Requirements for storage rooms and vessels

Electro installations must be explosively safe. Floors should be of the conducting type. Close opened containers after use. Put the containers upright to prevent from leaking. Keep only in original container.

### 7.2.4. Storage class

-

### 7.2.5. Further information on storage conditions

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## 7.3. Specific end use(s)

### Recommendations

Do not empty the container under pressure.

### Industrial sector specific solutions

-

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Butan-2-one (methyl ethyl ketone) (78-93-3)	200	600	300	899	Sk, BMGV	70 µmol butan-2-one/L in urine - Post shift
Butyl acetate (123-86-4)	150	724	200	966		
Ethyl acetate (141-78-6)	200	734	400	1468		
Xylene, o-,m-,p- or mixed isomers (1330-20-7)	50	220	100	441	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
xylene (1330-20-7)	100	440				

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8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

8.1.3. DNEL/DMEL values

**For components**

Name	Type	Exposure route	Exposure frequency	Value	Remark
ethyl methyl ketone (78-93-3)	Worker	dermal	long term (systemic effects)	1161 mg/kg	
ethyl methyl ketone (78-93-3)	Worker	inhalation	long term (systemic effects)	600 mg/m <sup>3</sup>	
ethyl methyl ketone (78-93-3)	Consumer	oral	long term (systemic effects)	31 mg/kg	
ethyl methyl ketone (78-93-3)	Consumer	dermal	long term (systemic effects)	412 mg/kg	
ethyl methyl ketone (78-93-3)	Consumer	inhalation	long term (systemic effects)	106 mg/m <sup>3</sup>	

8.1.4. PNEC values

No information.

**8.2. Exposure controls**

8.2.1. Appropriate engineering control

**Substance/mixture related measures to prevent exposure during identified uses**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Do not breathe vapours/aerosols.

**Technical measures to prevent exposure**

Provide good ventilation and local exhaust in areas with increased concentration.

8.2.2. Personal protective equipment

**Eye and face protection**

Safety glasses with side protection (EN 166).

**Hand protection**

Protective gloves (EN 374).

**Appropriate materials**

Material	Thickness	Penetration Time	Remark
PVA			
Natural rubber			

**Skin protection**

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). Protective shoes.

**Respiratory protection**

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). In case of insufficient ventilation wear mask with filter A (EN 14387).

**Thermal hazards**

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8.2.3. Environmental exposure controls

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

-	<b>Physical state:</b>	liquid
-	<b>Colour:</b>	black
-	<b>Odour:</b>	solvent like

### Important health, safety and environmental information

-	<b>pH</b>	No information.
-	<b>Melting point/freezing point</b>	No information.
-	<b>Initial boiling point/boiling range</b>	79 °C
-	<b>Flash point</b>	-8 °C
-	<b>Evaporation rate</b>	No information.
-	<b>Flammability (solid, gas)</b>	200 °C
-	<b>Explosion limits (vol%)</b>	1,8 – 11,5 vol %
-	<b>Vapour pressure</b>	101 hPa at 20 °C
-	<b>Vapour density</b>	No information.
-	<b>Density</b>	<b>Relative density:</b> 1,03 at 20 °C
-	<b>Solubility</b>	No information.
-	<b>Partition coefficient</b>	No information.
-	<b>Auto-ignition temperature</b>	No information.
-	<b>Decomposition temperature</b>	No information.
-	<b>Viscosity</b>	<b>Dynamic:</b> 20 mPas at 20 °C
-	<b>Explosive properties</b>	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
-	<b>Oxidising properties</b>	No information.

### 9.2. Other information

-	<b>Weight organic solvents</b>	52 %
-	<b>Solid contents</b>	48 %
-	<b>Remarks:</b>	

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

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### 10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3. Possibility of hazardous reactions

-

### 10.4. Conditions to avoid

Avoid high temperatures.



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## 10.5. Incompatible materials

Alkalis  
Acids.  
Oxidants. Water. Amines. Alcohols.

## 10.6. Hazardous decomposition products

In case of fire/explosion vapours/gases that pose a health hazard are released.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### (a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
ethyl methyl ketone (78-93-3)	oral	LD <sub>50</sub>	rat		3300 mg/kg		
ethyl methyl ketone (78-93-3)	dermal	LD <sub>50</sub>	rabbit		5000 mg/kg		
ethyl methyl ketone (78-93-3)	inhalation	LC <sub>50</sub>	rat	4 h	23,5 mg/l		vapour
xylene (1330-20-7)	oral	LD <sub>50</sub>	rat		8700 mg/kg		
xylene (1330-20-7)	dermal	LD <sub>50</sub>	rabbit		2000 mg/kg		
xylene (1330-20-7)	inhalation	LC <sub>50</sub>	rat	4 h	6350 mg/l		vapour
n-butyl acetate (123-86-4)	oral	LD <sub>50</sub>	rabbit		20 – 30 mg/kg		
n-butyl acetate (123-86-4)	dermal	LD <sub>50</sub>	rat		40 – 50 mg/kg		
n-butyl acetate (123-86-4)	inhalation	LC <sub>50</sub>	rat	4 h	70 – 80 mg/l		vapour
ethyl acetate (141-78-6)	oral	LD <sub>50</sub>	rabbit		4935 mg/kg		
ethyl acetate (141-78-6)	inhalation	LC <sub>50</sub>	rat	4 h	1600 mg/l		vapour
diphenylmethanediisocyanate, isomers and homologues (9016-87-9)	oral	LD <sub>50</sub>	rat		2000 mg/kg		
diphenylmethanediisocyanate, isomers and homologues (9016-87-9)	inhalation	LC <sub>50</sub>	rat	4 h	490 mg/l		vapour
dibutyltin dichloride (683-18-1)	oral	LD <sub>50</sub>	rat		100 mg/kg		

#### (b) Skin corrosion/irritation

Name	Species	Time	Result	Method	Remark
<b>For product</b>			Irritating to skin.		
ethyl methyl ketone (78-93-3)			Irritating.		
xylene (1330-20-7)			Irritating.		

#### (c) Serious eye damage/irritation

Name	Species	Time	Result	Method	Remark
<b>For product</b>			Irritating to eyes.		
ethyl methyl ketone (78-93-3)			Irritating.		
xylene (1330-20-7)			Irritating.		

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## (d) Respiratory or skin sensitisation

Name	Exposure route	Species	Time	Result	Method	Remark
For product	dermal			Sensitizing.		
For product	inhalation			Sensitising.		

## (e) (Germ cell) mutagenicity

No information.

## (f) Carcinogenicity

No information.

## (g) Reproductive toxicity

No information.

## Summary of evaluation of the CMR properties

Suspected of causing cancer.

## (h) STOT-single exposure

No information.

## (i) STOT-repeated exposure

No information.

## (j) Aspiration hazard

No information.

## **SECTION 12. ECOLOGICAL INFORMATION**

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## 12.1. Toxicity

### 12.1.1. Acute (short-term) toxicity

#### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
ethyl methyl ketone (78-93-3)	EC <sub>50</sub>	5091 mg/L	48 h	crustacea			
	LC <sub>50</sub>	3220 mg/L	96 h	fish			
	EC <sub>50</sub>	1150 mg/L		bacteria			
xylene (1330-20-7)	LC <sub>50</sub>	2,6 – 8,4 mg/L	96 h	fish			
	EC <sub>50</sub>	1 – 4,7 mg/L	48 h	crustacea			
	EC <sub>50</sub>	1 – 8,4 mg/L	72 h	algae			
n-butyl acetate (123-86-4)	EC <sub>50</sub>	44 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	LC <sub>50</sub>	18 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
ethyl acetate (141-78-6)	LC <sub>50</sub>	220 – 250 mg/L	96 h	fish	<i>Pimephales promelas</i>		
	LC <sub>50</sub>	352 – 500 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	EC <sub>50</sub>	560 mg/L	48 h	daphnia	<i>Daphnia magna</i>		
	EC <sub>50</sub>	3300 mg/L	48 h	algae	<i>Desmodesmus subspicatus</i>		
diphenylmethanediisocyanate, isomers and homologues (9016-87-9)	LC <sub>50</sub>	1000 mg/L	96 h	fish			
	EC <sub>50</sub>	1000 mg/L	24 h	daphnia			
	EC <sub>50</sub>	100 mg/L		bacteria			

### 12.1.2. Chronic (long-term) toxicity

No information.

## 12.2. Persistence and degradability

### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

### 12.2.2. Biodegradation

No information.

## 12.3. Bioaccumulative potential

### 12.3.1. Partition coefficient

No information.

### 12.3.2. Bioconcentration factor (BCF)

No information.

## 12.4. Mobility in soil

### 12.4.1. Known or predicted distribution to environmental compartments

No information.

### 12.4.2. Surface tension

No information.

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## 12.4.3. Adsorption/Desorption

No information.

## **12.5. Results of PBT and vPvB assessment**

No evaluation.

## **12.6. Other adverse effects**

No information.

## **12.7. Additional information**

### **For product**

Do not allow to reach ground water, water courses or sewage system.

Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

### **For components**

**Substance: n-butyl acetate**

Water hazard class 1 (Self-assessment): slightly hazardous for water

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

#### 13.1.1. Product / Packaging disposal

##### **Waste chemical**

Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

##### **Waste codes / waste designations according to LoW**

14 06 03\* - other solvents and solvent mixtures

##### **Packaging**

Completely emptied and cleaned containers leave to approved waste disposal authorities in charge. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

#### 13.1.2. Waste treatment-relevant information

-

#### 13.1.3. Sewage disposal-relevant information

-

#### 13.1.4. Other disposal recommendations

-

## **SECTION 14. TRANSPORT INFORMATION**

### **14.1. UN number**

UN 1866

### **14.2. UN proper shipping name**

RESIN SOLUTION

### **14.3. Transport hazard class(es)**

3

### **14.4. Packing group**

II



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## 14.5. Environmental hazards

NO.

## 14.6. Special precautions for user

### Limited quantities

5 L

### Tunnel restriction code

(D/E)

### IMDG flashpoint

-8 °C, c.c.

### IMDG EmS

F-E, S-E

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

Goods may not be carried in bulk in bulk containers, containers or vehicles.

## SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Indication of changes

-

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

DNEL - Derived No Effect Level

DPD - Dangerous Preparations Directive 1999/45/EC

DSD - Dangerous Substances Directive 67/548/EEC

DU - Downstream User

EC - European Community

ECHA - European Chemicals Agency

EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)

# SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **5082 Adhesion Primer**

Creation date: **11.8.2008** · Revision: **27.6.2018** · Version: **1**

EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC<sub>50</sub> - Lethal Concentration to 50 % of a test population  
LD<sub>50</sub> - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

## Key literature references and sources for data

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## List of relevant H phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects .
- H351 Suspected of causing cancer .
- H360FD May damage fertility. May damage the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure .
- 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.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.