

SAFETY DATA SHEET

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

- 1.1. Product identifier
Q2 RUST CONVERTER
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
Rust conversion coating for industrial and consumer use.
- 1.3. Details of the supplier of the safety data sheet:
Union B+C s.r.o.
J.Kollara 8, 37007
Ceske Budejovice
Tel.: + 420777832348
Fax: + 420326321504
- Manufacturer:
TEMP-COAT® Brand Products, LLC
301 W. Airline Hwy., Ste 100
LaPlace, LA 70068
Emergency Phone: 985-651-2911
Information Phone: 985-651-2911
- 1.3.1. Responsible person: Galina Bogdanovicova
E-mail: info@unionbc.cz
- 1.4. Emergency telephone number: + 420777832348 (8 – 16h)

SECTION 2. HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture:
Classification according to Regulation 1999/45/EC:
- R phrases:**
R 52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S phrases:**
S 61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.
- 2.2. Label elements
- Hazardous substance content: -**
- R phrases:**
R 52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S phrases:**
S 61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.
- 2.3. Other hazards:
No other known specific hazards for human or environment.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance:
Not applicable.

3.2. Mixture:

Description	CAS number:	EU number	REACH reg. nr.	Conc. (%)	Classification				
					67/548/EEC		CLP		
					Hazard symbol	R phrase	Hazard pict.	Hazard cat.	H phrase
Chlorowax 57-60 Liquid chlorinated paraffin*	61788-76-9	263-004-3	-	< 0,4	-	-	-	-	-
Potassium Tripolyphosphate	13845-36-8	237-574-9	-	< 0,01	-	-	-	-	-
Tannic Acid	1401-55-4	215-753-2	-	< 48,55	-	-	-	-	-
MA601 White Spirits (custom blend)				< 0,2	Xn	65-52/53	GHS08 Dgr	Asp. Tox. 1 Aquatic Chronic 3	H412
Aliphatic Petroleum Distillates	64742-88-7	265-191-7	-	80-84	Xn	65	GHS08 Dgr	Asp. Tox. 1	H304
Aromatic Petroleum Distillates	64742-94-5	265-198-5	-	16-20	Xn	65	GHS08 Dgr	Asp. Tox. 1	H304
Naphthalene	91-20-3	202-049-5	-	< 1	Xn; N	22-40-50/53	GHS07 GHS08 GHS09 Wng	Carc. 2 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1	H351 H302 H400 H410
Latex Acrylic Resins				< 34,65	-	-	-	-	-
Latex Polymer/Latex Acrylic Polymer/Latex Residual/Monomers *	-	-	-	40,0 – 51,0	-	-	-	-	-
Water*	7732-18-5	231-791-2	-	40,0 – 56,0	-	-	-	-	-
Aqua Ammonia*	1336-26-1	-	-	0,2	-	-	-	-	-
Latex Butyl Acrylate ⁽¹⁾	141-32-2	-	-	< 200 ppm	Xi	10-36/37/38-43	GHS02 GHS07 Wng	Flam. Liq. 3 Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H226 H319 H335 H315 H317
Styrene ⁽¹⁾	100-42-5	202-851-5	-	< 100 ppm	Xn	10-20-36/38	GHS02 GHS07 Wng	Flam. Liq. 3 Acute Tox. 4 Eye Irrit. 2 Skin Irrit. 2	H226 H332 H319 H315
Propylene Glycol*	57-55-6	200-338-0	-	< 0,5	-	-	-	-	-
Ammonium Hydroxide Solution (Ammonia) (20 to 30% rest water) ⁽²⁾	1336-21-6	215-647-6	-	< 0,09	C; N	34-50	GHS05 GHS09 Dgr	Skin Corr. 1B Aquatic Acute 1	H314 H400

Zinc Oxide (Kadox 911)	1314-13-2	215-222-5	-	< 0,9	N	50/53	GHS09 Wng	Aquatic Acute 1 Aquatic Chronic 1	H400 H410
TiO² (Tronox) *				< 1,1	-	-	-	-	-
TiO ² (Tronox)*	13463-67-7	236-675-5	-	86,0 – 97,0	-	-	-	-	-
Alumina Hydroxide*	21645-51-2	244-492-7	-	1,0 – 5,0	-	-	-	-	-
Amorphous Silica*	7631-86-9	231-545-4	-	0 – 10,0	-	-	-	-	-
Hydroxyethyl-cellulose (2% Solution)*	9004-62-0	-	-	< 0,08	-	-	-	-	-
Nalco 2300 (Anti-Foam)*				< 0,19	Xn	65	GHS08 Dgr	Asp. Tox. 1	H304
Hydro treated Light Distillate	64742-47-8	265-149-8	-	10,0 – 30,0	Xn	65	GHS08 Dgr	Asp. Tox. 1	H304
Water*	7732-18-5	231-791-2	-	rest	-	-	-	-	-
Nalco 2303 (Anti-Foam) 20 to 30% rest water)				< 0,028	Xn	65	GHS08 Dgr	Asp. Tox. 1	H304
	64742-47-8	265-149-8	-	20,0 – 40,0	Xn	65	GHS08 Dgr	Asp. Tox. 1	H304
Hydro treated Light Distillate	68909-20-6	272-697-1	-	1,0 – 5,0	-	-	-	-	-
Hydrophobic Amorphous Silica*	61791-00-2	500-150-1	-	1,0 – 5,0	-	-	-	-	-
Ethoxylated Tall Oil*	25322-69-4	500-039-8	-	60,0 – 100,0	-	-	-	-	-
Oxalic acid	Polypropylene Glycol*	205-634-3	-	4,2	Xn	21/22	GHS07 Wng	Acute Tox. 4 Acute Tox. 4	H312 H302
Carbonate (CaCO₃, MgCO₃) (Valwhite)*				< 3,1	-	-	-	-	-
Limestone*	1317-65-3	215-279-6	-	99	-	-	-	-	-
Quartz*	14808-60-7	238-878-4	-	< 0,1 – 0,75	-	-	-	-	-
Water *	7732-18-5	231-791-2	-	< 1	-	-	-	-	-
Water*	7732-18-5	231-791-2	-	6,1	-	-	-	-	-

* Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.

(1) Note D :

Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

(2) Note B :

Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

31.12.2008 EN Official Journal of the European Union L 353/333

In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'.

In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Full text of R- and H-phrases: see section 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures:

IN CASE OF INGESTION:

Measures:

- Induce vomiting by giving syrup of ipecac.
- Get medical attention immediately.

IN CASE OF INHALATION:

Measures:

- Remove from exposure to fresh air immediately.
- If irritation persists, seek medical attention

IN CASE OF SKIN CONTACT:

Measures:

- Flush skin with plenty of soap and water for at least 15 minutes, while removing contaminated clothing and shoes.
- Get medical aid if irritation develops or persists.
- Wash clothing before reuse.

IN CASE OF EYE CONTACT:

Measures:

- Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
- Get medical aid if irritation persists.

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

Inhalation: headache and dizziness.

Skin contact: may cause irritation.

Ingestion: mucosal/gastric distress.

Eye contact: may cause irritation.

Chronic: no long term effects from repeated exposure have been observed.

Conditions potentially aggravated by exposure: redness and/or irritation of exposed area. Repeated excessive dermal exposure may cause marked skin irritation and increase potential for allergic reaction.

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

No data available.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

Water, CO₂, dry chemical.

5.1.2. Unsuitable extinguishing media:

None known.

5.2. Special hazards arising from the substance or mixture:

Extreme heat may cause closed containers to burst. Dried films of product are capable of burning, giving off oxides of carbon and nitrogen.

5.3. Advice for firefighters:

Firefighters should wear a self-contained breathing apparatus as in all chemical fires.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel:

Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.

6.1.2. For emergency responders:

None known.

6.2. Environmental precautions:

Dispose of spillage and waste (product/packaging) in accordance with all applicable environmental laws. Do not allow to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

Material may be absorbed in chalk dust/lime (CaCO₃). The material should then be disposed of according to local/state regulations.

6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

SECTION 7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling:
 Observe conventional hygiene precautions.
 Technical measures:
 No specific prescription.
 Precautions against fire and explosion:
 No specific prescription.
- 7.2. Conditions for safe storage, including any incompatibilities:
 Technical measures and storage condition:
 Avoid storing near strong oxidizers or acids.
 Avoid prolonged exposure to direct sunlight with containers prior to use.
 Do not allow to freeze.
 Store away from alkali.
 Product discolors concrete.
 Shelf life:
 We recommend a one year shelf-life, although we routinely applicate with material over 5 years old that has been properly stored indoors with no direct sunlight or wide temperature swings. No hazardous decomposition takes place in pail just sitting. Temperature swings and direct sunlight, however, can cause material to harden in the pail. Manufacturer recommendations stipulate storing in a cool, dry place, out of direct sunlight.
 Incompatible materials: strong oxidizers, acids, alkalis.
 Packaging material: no specific prescriptions.
- 7.3. Specific end use(s):
 No specific instructions available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Exposure limit values (2000/39/EC, 2006/15/EC, 2009/161/EU):

Latex Butyl Acrylate (CAS number: 141-32-2):

8 hours: 11 mg/m³, 2 ppm

Short term: 53 mg/m³, 10 ppm

Oxalic acid (CAS number: 144-62-7):

8 hours: 1 mg/m³

Short term: -

DNEL		Routes of exposure	Exposure frequency:	Remarks:
Worker	Consumer			
n.d.	n.d.	Dermal	Short term (acute) Long term (repeated)	n.d.
n.d.	n.d.	Inhalative	Short term (acute) Long term (repeated)	n.d.
n.d.	n.d.	Oral	Short term (acute) Long term (repeated)	n.d.

PNEC			Exposure frequency:	Remarks:
Water	Soil	Air		
n.d.	n.d.	n.d.	Short term (single use) Long term (continuous)	n.d.
n.d.	n.d.	n.d.	Short term (single use) Long term (continuous)	n.d.
n.d.	n.d.	n.d.	Short term (single use) Long term (continuous)	n.d.

- 8.2. Exposure controls:
 In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.
- 8.2.1. Appropriate engineering controls
 In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.
 Local exhaust when airborne concentrations exceed exposure limits.
 Along with personal equipment outlined, always clean up with soap and water for hygiene.
 Use general ventilation and local, mechanical exhaust.
- 8.2.2. Individual protection measures, such as personal protective equipment:
 1. Eye/face protection: use appropriate protective chemical goggles

2. Skin protection:
 - a. Hand protection: use appropriate protective rubber gloves.
 - b. Other: use appropriate rubber aprons, rubber boots.
3. Respiratory protection: required in confined spaces.
4. Thermal hazard: none known.

8.2.3. Environmental exposure controls:

No specific prescription.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:9.1. Information on basic physical and chemical properties:

Parameter	Test method:	Remarks:
1. Appearance:		milky liquid
2. Odour:		bland
3. Odour threshold:		no data available
4. pH value:		2,1
5. Melting point/ freezing point:		no data available
6. Initial boiling point/boiling range:		100 °C
7. Flash point:		98,88 °C
8. Evaporation rate:		no data available
9. Flammability:		no data available
10. Upper/lower flammability or explosive limits:		no data available
11. Vapour pressure:		no data available
12. Relative density:		no data available
13. Solubility(ies):		dispersible in water
14. Partition coefficient: n-octanol/water:		no data available
15. Self-ignition temperature:		no data available
16. Degradation temperature:		no data available
17. Viscosity:		no data available
18. Explosive properties:		no data available
19. Oxidizing properties:		no data available

9.2. Other information:Specific Gravity (H₂O = 1): 1.1**SECTION 10. STABILITY AND REACTIVITY**

- 10.1. Reactivity:
None known.
- 10.2. Chemical stability:
Stable under normal conditions.
- 10.3. Possibility of hazardous reactions:
Hazardous Polymerization: will not occur.
- 10.4. Conditions to avoid:
None known.
- 10.5. Incompatible materials:
Strong oxidizers, acids, alkalis.
- 10.6. Hazardous decomposition products:
None known.

SECTION 11. TOXICOLOGICAL INFORMATION11.1. Information on toxicological effects

Acute toxicity: none known.

Irritation: none known.

Corrosivity: none known.

Sensitization: none known.

Repeated dose toxicity: none known.

Carcinogenicity: the constituents within this product are not known to separate from the product, it is part of a specific polymer.

Mutagenicity: none known.

Reproduction toxicity: none known.

11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:

No data available.

11.1.2. Relevant toxicological properties of the hazardous substances:

No data available.

- 11.1.3. Information on likely routes of exposure:
Ingestion, inhalation, skin and eye contact.
- 11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:
Inhalation: headache and dizziness.
Skin contact: may cause irritation.
Ingestion: mucosal/gastric distress.
Eye contact: may cause irritation.
Chronic: no long term effects from repeated exposure have been observed.
Conditions potentially aggravated by exposure: redness and/or irritation of exposed area. Repeated excessive dermal exposure may cause marked skin irritation and increase potential for allergic reaction.
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:
No data available.
- 11.1.6. Interactive effects:
No data available.
- 11.1.7. Absence of specific data:
No information.
- 11.1.8. Other information:
No data available.

SECTION 12. ECOLOGICAL INFORMATION

- 12.1. Toxicity:
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 12.2. Persistence and degradability:
No data available.
- 12.3. Bioaccumulation potential:
No data available.
- 12.4. Mobility in soil:
No data available.
- 12.5. Results of PBT and vPvB assessment:
No data available.
- 12.6. Other adverse effects:
No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods:
Disposal according to the local regulations.
- 13.1.1. Information regarding the disposal of the product:
Waste from this product is not hazardous. Dispose of according to Federal, State and local regulations. Empty containers are suitable for landfill or incineration.
During the disposal of the product, its residue and its packaging the national and local prescriptions should be observed. The EWC codes indicated below are only recommendations, but they may have to be changed due to special circumstances, in such cases new classification may be needed.
- 13.1.2. Information regarding the disposal of the packaging:
According to the consideration regarding the product.
- 13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:
None known.
- 13.1.4. Sewage disposal:
None known.
- 13.1.5. Special precautions for any recommended waste treatment:
No data available.

SECTION 14. TRANSPORT INFORMATION

Not dangerous good in sense of the transport regulations.

- 14.1. UN Number:
n.d.
- 14.2. UN proper shipping name:
n.d.
- 14.3. Transport hazard class(es):
n.d.
- 14.4. Packaging group
n.d.
- 14.5. Environmental hazard
n.d.
- 14.6. Special precautions for user
No information.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15. REGULATORY INFORMATION

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

COMMISSION REGULATION (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment: no information available.

SECTION 16. OTHER INFORMATION

Information regarding the revision of the safety data sheet: none.

Full text of the abbreviations in the safety data sheet:

DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: Carcinogenicity, Mutagenicity and reproduction toxicity. PBT: Persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative. n.d.: not defined. n.a.: not applicable.

Data sources: n.d.

Relevant R-Phrases (number and full text) of Section 2 and 3:

R 10 - Flammable.

R 20 - Harmful by inhalation.

R 22 - Harmful if swallowed.

R 21/22 - Harmful in contact with skin and if swallowed.

R 34 - Causes burns.

R 36/38 - Irritating to eyes and skin.

R 36/37/38 - Irritating to eyes, respiratory system and skin.

R 40 - Limited evidence of a carcinogenic effect.

R 43 - May cause sensitisation by skin contact.

R 50 - Very toxic to aquatic organisms.

R 50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 - Harmful: may cause lung damage if swallowed

Relevant H-Phrases (number and full text) of Section 2 and 3:

H226 – Flammable liquid and vapour.

H302 – Harmful if swallowed.

H304 – May be fatal if swallowed and enters airways.

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.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

H335 – May cause respiratory irritation.

H351 – Suspected of causing cancer.

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.

Training instructions: n.d.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations. The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the

Date of issue: 03. 06. 2014.

Date of revision: -

Version: 1

<http://www.msds-europe.com>

comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required. Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.