

Certificate

for UHU Adhesives

We hereby confirm that all raw materials, packaging materials and also the finished UHU goods are in compliance with the latest technical European Union Standards.

We confirm that all UHU products comply with the requirements of the regulation **(EC) No 1907/2006** (REACH). All our mixtures do not contain any SVHC substances in amounts of over 0.1 percent w/w according to the current candidate list issued by ECHA (<https://echa.europa.eu/de/candidate-list-table>). Furthermore, our products do not contain any substances listed in Annex XIV and XVII of this regulation.

UHU GmbH & Co. KG



i.A. **Dr. Christian Hanf**
Product Safety & Regulatory Affairs Manager

27.06.2024



i.A. **Dr. Daniel Hahn**
PSRA Specialist

UHU GmbH & Co. KG

Herrmannstraße 7 – 77815 Bühl/Baden, Deutschland
Tel. +49 7223 2840
info@uhu.de

www.boltonadhesives.com

Handelsregister: AG Mannheim HRA 211088
Komplementär: UHU Holding GmbH, Sitz Bühl, AG Mannheim
HRB 210651 vertreten durch die Geschäftsführer:
Remko Tetenburg, Danny Witjes, Ralf Schniedenharn
Hubert Friederik Lucien Lincklaen Arriëns

SAFETY DATA SHEET

according to regulation (EC) No. 1907/2006 (REACH)

Product name: TIN PLATE

MSDS Article No.: A30000002

Date of issue 11.09.2014

Version: 1.1 / EN

Date of print: 03.10.2014

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Trade name: TIN PLATE

Other means of identification: Andralyt

Use of the substance / preparation

Company/undertaking identification

Supplier: ThyssenKrupp Rasselstein GmbH
Street: Koblenzer Straße 141
Country/ Postal code / City: D - 56626 Andernach
Telephone: +49 (0) 2632/ 3097-0
Telefax: +49 (0) 2632/ 3097-2903
E-Mail: info.rasselstein@thyssenkrupp.com
Department responsible for information: Safety Environment Energy
Information Telephone: +49 (0) 2632/ 3097-4546
Information Telefax: +49 (0) 2632/ 3097-4745
Website: www.thyssenkrupp-rasselstein.com
Emergency telephone: +49 (0) 2632/ 3097-4710

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2. Hazards identification

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

Hazard classes and Hazard categories:

n.a.

Hazard Statements:

n.a.

Classification according to Directive 67/548/EEC or 1999/45/EC:

n.a.

Hazards description:

This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

Informations pertaining to special dangers for human and environment:

Dust and fumes can form during mechanical processing (e.g. welding, cutting, grinding).

For the full text of the R-phrases mentioned in this section, see section 16.

3. Composition/information on ingredients

Chemical characterisation (preparation)

Carbon steel

Classification/labelling:

Not classified as a hazardous preparation according to the German Hazardous Substances Regulation (GefStoffV).

All substances are below the concentration limits. Sheet metal coated on one side or two.

0.5-20 g/m² tin as surface coating per side, 1-9 mg/m² chrome/chrome-III-oxide as passivation per side

Chemical name	CAS No.:	EG No.:	Hazard symbols	R-phrases:	Concentration:

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4. First aid measures***General informations:***

First aid measures refer to dust and fume.

In case of inhalation:

Fresh air and seek to medical advice if appropriate.

In case of skin contact:

Wash off thoroughly with soap and water.

In case of eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

In case of ingestion:

Call a physician.

Information to physician:

none

5. Fire-fighting measures***Suitable extinguishing media:***

Product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons:

none

In case of fire may be liberated:

n.a.

Special protective equipment for fire-fighters:

none

Additional information:

none

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6. Accidental release measures

Personal precautions:

n.a.

Environmental precautions:

n.a.

Methods for cleaning up:

n.a.

Additional information:

none

7. Handling and Storage

Handling

Advices on safe handling:

If required, provide suction facilities on the machine or at the workplace when doing thermal processing and/or mechanical processing, to ensure limit values are below those prescribed acc. to section 8

Precautions against fire and explosion:

n.a.

Storage

Requirements for storage rooms and vessels:

No special arrangement required.

Hints on joint storage:

n.a.

Further information on storage conditions:

none

Storage class:

n.a.

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8. Exposure controls / Personal protection

Exposure limit values

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

none

Occupational exposure limits:

Limit value type (country of origin)	CAS-No.	Substance name:	ml/m ³	mg/m ³	Peak limitation

Exposure controls

Occupational exposure controls:

cf. no. 7

Personal protection equipment

Respiratory protection:

On formation of dust: filter device, filter P2



Hand protection:

Dependent on the respective processing method. Wear cut resistant safety gloves (EN 388) when handling metal sheets. Suitable materials (recommended cut resistance: at least level 2, also higher levels depending on the activity) e.g. Kevlar® if necessary with nitrile coating to protect against anti-corrosion oils.



Eye protection:

On formation of dust: protective goggles



Protective clothing:

Dependent on processing methods.

General health and safety measures:

When using do not eat, drink, smoke, sneeze. Wash hands before breaks and after work.



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9. Physical and chemical Properties
General information
Physical state:

solid

Colour:

metallic

Odour:

odourless

Safety relevant basis data
pH value °C **Concentration:** g/l:

Value

n.a.

Boiling temperature / boiling range:

n.a.

°C

Melting point / melting range::

approx. 1530

°C

(steel)

Vapour pressure: °C:

n.i.a.

Density: 20°C:

7,7-7,8

 g/cm³
Water solubility °C:

Insoluble

g/l

Soluble in: 20°C:

Bulk density:

n.a.

 kg/m³
Partition coefficient n-octanol /water (log p O/W):

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10. Stability and Reactivity

Conditions to avoid:

n.a.

Materials to avoid:

n.a.

Hazardous decomposition products:

n.a.

Additional information:

none

11. Toxicological information

Acute effects

Acute oral toxicity: n.i.a.

Effect dose:	Exposure time:	Value to mg/kg	Species:	Test substance

Other information:

n.i.a.

Acute dermal toxicity: n.i.a.

Effect dose:	Exposure time:	Value to mg/kg	Species:	Test substance

Other information:

n.i.a.

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Acute inhalative toxicity: n.i.a.

Effect dose:	Exposure time:	Value to mg/kg	Species:	Test substance

Other information:

n.i.a.

Irritant and corrosive effects**Irritation to the skin:**

n.i.a.

Irritation to eyes:

n.i.a.

Irritation to respiratory tract:

n.i.a.

Sensitisation**In case of skin contact:**

n.i.a.

In case of inhalation:

n.i.a.

Experiences made in practice**Observations relevant to classification:**

none

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12. Ecological information

Ecotoxicity

Aquatic toxicity

Acute fish toxicity: n.i.a.

Effective dose:	Exposure time (hours):	Value to mg/l	Species:	Test substance

Acute daphnia toxicity: n.i.a.

Effective dose:	Exposure time (hours):	Value to mg/l	Species:	Test substance

Bacteria toxicity: n.i.a.

Effective dose:	Exposure time (hours):	Value to mg/l	Species:	Test substance

Mobility

Known or predicted distribution to environmental compartments:

n.i.a.

Persistence and degradability

Abiotic degradation:

n.i.a.

Biodegradation:

n.i.a.

Further ecological information:

No ecological problems are expected if handled and used appropriately.

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13. Disposal considerations

Appropriate disposal / Product:

The used or non-used product should be recycled if possible. Shavings or dust may form when processing the product.

List of proposed waste codes/waste designations in accordance with EWC:

Waste codes product:

120101 or 120102

Waste name:

Ferrous metal filings and turnings, or ferrous metal dust and particles.

Remark:

none

Appropriate disposal / package:

n.a.

14. Transport information

Land transport (ADR/RID)

UN No.:		
Class:		
Classification code:		
Packing group:		
Hazard label:		
Official transport designation:		
Danger releasing substance:		
Special Provisions:		
Limited quantity (LQ):		
Hazard identification number:		
Tunnel restriction code:		
Transport category:		

Further information:

No dangerous good in sense of this transport regulation.

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15. Regulatory information

EU-Legislation
Chemical Safety Assessment

Labelling according Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms:

Signal word:

n.a.

Hazard Statements:

n.a.

Precautionary Statements:

n.a.

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Labelling (67/548/EEC or 1999/45/EC)

Product does not have to be labelled.

Hazard symbols and hazard statements of dangerous substances and preparations:

R-phrases:

n.a.

S-phrases:

n.a.

Remark:

here is no requirement for the product to be specially labelled according to EC-regulations or the corresponding national laws.

Hazard-determining components of labeling:

n.a.

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National regulations

Restrictions of occupation:

n.a.

Water hazard class (WGK):

Not water-endangering (nwg)

Source:

n.a.

Other regulations, restrictions and prohibition regulations:

n.a.

Other advices:

none

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16. Other information

Declaration:

The information in this safety data sheet is based on the current status of our knowledge and experiences; it refers to the product in its as-delivered condition. The safety data sheet describes the products in terms of safety requirements. The information is not equivalent to assurances in respect of quality or properties.

Relevant R-and H-phrases (Number and full text) Section 2:

n.a.

Further information:

none

Data sources:

Abbreviations: n.i.a = no information available
n.a. = not applicable