SGS

COIL COAT

SDS Report

No. SHAMLP1918686301 Date: Sep. 6, 2019

ZHEJIANG TIANZHIWANG ALUMINUM INDUSTRY CO.LTD.
NO.1201,CHENWANG ROAD TAIHU STREET,CHANGXING
COUNTY,HUZHOU CITY,ZHEJIANG PROVINCE,CHINA

SGS Ref. No.	:	NBIN1908009438PC
Sample Name	:	Aluminium sheet/plate
End Uses	:	Building materials,Auot parts,etc
Composition/Ingredient of sample (as per client submission)	:	See *Section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date	:	Aug 22 2019
Last Information Date	:	Aug 27, 2019
SDS Preparation Period	:	Aug 22 – Sep 04, 2019

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Remark:
This sample is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Cathy Cai

Cathy Cai
Approved Signatory

3rd Building,No.889 Yishan Road Xuhui District,Shanghai China 200233 t E&E (86-21) 61402553 f E&E (86-21)64953679 www.sgsgroup.com.cn
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t HL (86-21) 61402594 f HL (86-21)61156899 e sgs.china@sgs.com

Safety data sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing date 04.09.2019 *Version number 1.0* *Revision: 31.08.2019*

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

· **1.1 Product identifier**
· **Trade name: Aluminium sheet/plate**
· **CAS Number:**
7429-90-5
· **EC number:**
231-072-3

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Application of the substance / the mixture:** Building materials,Auot parts,etc

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
ZHEJIANG TIANZHIWANG ALUMINUM INDUSTRY CO.,LTD
NO.1201,CHENWANG ROAD TAIHU STREET,CHANGXING COUNTY,HUZHOU CITY,ZHEJIANG PROVINCE,CHINA
E-mail:sales@coilcoat.com
· **Only Representative / other EU contact point:** Not available
· **Further information obtainable from:** ZHEJIANG TIANZHIWANG ALUMINUM INDUSTRY CO.,LTD

· **1.4 Emergency telephone number:**
Aaron wang
Tel:15657666665

GERMANY
Poison Center Berlin - Institute of Toxicology
Tel: +49 030 192 40

· **1.5 Reference Number:** NBIN1908009438PC; SHAMLP1918686301

· **1.6 Remark:**
This sample is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**
The substance is not classified according to the CLP regulation.
· **Information concerning particular hazards for human and environment:**
The product has not to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.
· **Classification system:**
The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008** Not applicable
· **Hazard pictograms** Not applicable
· **Signal word** Not applicable

· **Hazard-determining components of labelling:** Not applicable
· **Hazard statements** Not applicable
· **Precautionary statements** Not applicable

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable

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Trade name: Aluminium sheet/plate

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SECTION 3: Composition/information on ingredients

· ***3.1 Substances***
· ***CAS No. Description***
7429-90-5 aluminium
· ***Identification number(s)***
· ***EC number:*** *231-072-3*

· ***Composition:***			
CAS: 7429-90-5 *EINECS: 231-072-3*	*aluminium*	*substance with a Community workplace exposure limit*	*99.591%*
CAS: 7439-89-6 *EINECS: 231-096-4*	*iron*		*0.296%*
CAS: 7440-21-3 *EINECS: 231-130-8*	*Silicon*	*substance with a Community workplace exposure limit*	*0.056%*
CAS: 7439-96-5 *EINECS: 231-105-1*	*manganese*	*substance with a Community workplace exposure limit*	*0.017%*
CAS: 7440-32-6 *EINECS: 231-142-3*	*titanium*		*0.013%*
CAS: 7440-66-6 *EINECS: 231-175-3*	*zinc*	*Aquatic Acute 1, H400; Aquatic Chronic 1, H410*	*0.009%*
CAS: 7440-50-8 *EINECS: 231-159-6*	*copper*	*substance with a Community workplace exposure limit*	*0.009%*
CAS: 7439-95-4 *EINECS: 231-104-6*	*magnesium*		*0.008%*
CAS: 7440-47-3 *EINECS: 231-157-5*	*chromium*	*substance with a Community workplace exposure limit*	*0.001%*

SECTION 4: First aid measures

· ***4.1 Description of first aid measures***
· ***After inhalation:*** *Supply fresh air; consult doctor in case of complaints.*
· ***After skin contact:***
Wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· ***After eye contact:***
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· ***After swallowing:***
Rinse out mouth with water.
Never give anything by mouth to an unconscious person.
Seek medical treatment.

· ***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***
No further relevant information available.

SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:*** *Use fire extinguishing methods suitable to surrounding conditions.*

· ***5.2 Special hazards arising from the substance or mixture*** *No further relevant information available.*

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· ***5.3 Advice for firefighters***
· ***Protective equipment:***
Mouth respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Ensure adequate ventilation.
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.

· ***6.2 Environmental precautions:*** *Do not allow to enter sewers/ surface or ground water.*

· ***6.3 Methods and material for containment and cleaning up:***
Pick up mechanically.
Dispose contaminated material as waste according to item 13.

· ***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.

SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling***
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
For the general occupational hygienic measures refer to section 8.
· ***Information about fire - and explosion protection:*** *Normal measures for preventive fire protection.*

· ***7.2 Conditions for safe storage, including any incompatibilities:***
· ***Requirements to be met by storerooms and receptacles:*** *Store in a cool location.*
· ***Information about storage in one common storage facility:***
Store away from foodstuffs.
Do not store together with oxidising and acidic materials.
Do not store together with alkalis (caustic solutions).
· ***Further information about storage conditions:*** *Store in cool, dry conditions in well sealed receptacles.*

· ***7.3 Specific end use(s)*** *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***

· ***Ingredients with limit values that require monitoring at the workplace:***	
7429-90-5 aluminium (99.591%)	
AGW (Germany)	*Long-term value: 1.25* 10** mg/m³ *2(II);*alveolengängig**einatembar; AGS, DFG*
VME (France)	*Long-term value: 5* 10** mg/m³ **pulvérulent **métal*
7440-21-3 Silicon (0.056%)	
VME (France)	*Long-term value: 10 mg/m³*

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7439-96-5 manganese (0.017%)	
IOELV (EU)	*Long-term value: 0.2* 0.05** mg/m³* *as Mn; *inhalable, **respirable fraction*
AGW (Germany)	*Long-term value: 0.02A; 0.2E mg/m³* *8(II);DFG,Y,10, 20*
7440-66-6 zinc (0.009%)	
MAK (Germany)	*Long-term value: 0.1A* 2E** mg/m³* **alveolengängig; **einatembar*
7440-50-8 copper (0.009%)	
MAK (Germany)	*Long-term value: 0.01 A mg/m³* *als Cu*
VME (France)	*Short-term value: 2** mg/m³* *Long-term value: 0.2* 1** mg/m³* **fumées **poussières, en Cu*
7440-47-3 chromium (0.001%)	
IOELV (EU)	*Long-term value: 2 mg/m³* *as Cr*
AGW (Germany)	*Long-term value: 2 E mg/m³* *1(I);10, EU*
VME (France)	*Long-term value: 2 mg/m³* *en Cr*

· ***Regulatory information***
AGW (Germany): TRGS 900
VME (France): ED 984, 10.2016
· ***DNELs:*** *Data not available*
· ***PNECs:*** *Data not available*

· ***Ingredients with biological limit values:***	
7429-90-5 aluminium	
BGW (Germany)	*200 µg/l* *Untersuchungsmaterial: Urin* *Probennahmezeitpunkt: Expositionsende bzw. Schichtende* *Parameter: Aluminium*

· ***Additional information:*** *The lists valid during the making were used as basis.*

· ***8.2 Exposure controls***
· ***Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:***
· ***Appropriate engineering controls:*** *See Section 7 for information about design of technical facilities.*

· ***Personal protective equipment:***
· ***Respiratory protection:*** *Suitable respiratory protective device recommended.*
· ***Protection of hands:***

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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· **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
· **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Tightly sealed goggles

· **Environmental exposure controls:**
Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **Appearance:**	
Form:	Solid
Colour:	Aluminum color
· **Odour:**	Odourless
· **Odour threshold:**	Data not available
· **pH-value:**	Not applicable.
· **Melting point/freezing point:**	Data not available
· **Initial boiling point and boiling range:**	Data not available
· **Flash point:**	Not applicable
· **Flammability (solid, gas):**	Data not available
· **Auto-Ignition temperature:**	Data not available
· **Decomposition temperature:**	Data not available
· **Self-igniting:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not applicable
Upper:	Not applicable
· **Oxidising properties**	Not applicable
· **Vapour pressure:**	Not applicable
· **Density:**	Data not available
· **Relative density**	Data not available
· **Vapour density**	Not applicable
· **Evaporation rate**	Not applicable
· **Solubility in / Miscibility with water:**	Insoluble.
· **Partition coefficient: n-octanol/water:**	Not applicable
· **Viscosity:**	
Dynamic:	Not applicable.
Kinematic:	Not applicable.

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· **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No decomposition if used according to specification.

· **10.2 Chemical stability** Stable under recommended storage conditions.

· **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 known.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
7439-89-6 iron		
Oral	LD50	30,000 mg/kg (rat)
7440-21-3 Silicon		
Oral	LD50	3,160 mg/kg (rat)
7439-96-5 manganese		
Oral	LD50	9,000 mg/kg (rat)

· **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
· **Carcinogenicity:** Based on available data, the classification criteria are not met.
· **Reproductive toxicity:** Based on available data, the classification criteria are not met.
· **STOT-single exposure:** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
· **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.

· **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.

· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

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· **12.7 Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation** Smaller quantities can be disposed of with household waste.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR/RID/ADN, IMDG, IATA**	Not applicable
· **14.2 UN proper shipping name**	
· **ADR/RID/ADN, IMDG, IATA**	Not applicable
· **14.3 Transport hazard class(es)**	
· **ADR/RID/ADN, IMDG, IATA**	
· **Class**	Not applicable
· **Label**	Not applicable
· **14.4 Packing group**	
· **ADR/RID/ADN, IMDG, IATA**	Not applicable
· **14.5 Environmental hazards**	Not applicable.
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **14.8 Transport/Additional information:**	Not dangerous according to the above specifications.
· **UN "Model Regulation":**	Not applicable

SECTION 15: Regulatory information

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

· **MAK (German Maximum Workplace Concerntration)**
Substance is not listed.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** Substance is not listed.
· **National regulations:**
· **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (16/7/2019)**
Substance is not listed.

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· **REACH Regulation Annex XVII Restriction (20/6/2019)**
See Section 16 for information about restriction of use.

Substance is not listed.

· **REACH Regulation Annex XIV Authorization List (13/6/2017)**

Substance is not listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Relevant hazard statements**
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
· **********
The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY
The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· **Remark:**
This sample is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

· **Abbreviations and acronyms:**
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
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
· **********
End of document