

# Safety Data Sheet

According To Regulation (EC) No 1272/2008 (REACH)

**METALIUM EFFECT (C)**

**COMPANENT (TIN)**

Version: 3.0  
Form No: 330082

Preparation Date : 06/06/2018  
Revision Date: 14/04/2020

## 1.IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

**Product Name** METALIUM EFFECT (C) COMPANENT(TIN)  
**Product Code** 1518  
**SDS No** 330082  
**Description** Special metal powderss, Tin

### 1.2 Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses Suitable for Suitable for interior

Uses Advised Against See chapter 16 for a general overview

### 1.3 Details Of The Supplier Of The Safety Data Sheet

**Manufacturer Company** DEKA BOYA SANAYİ VE TİCARET A.Ş.  
**Address** S.S.İstanbul Mermerciler Küçük San.Sitesi Yapı Koop.  
34.Cd.No:3 41490 Dilovası - Kocaeli / TURKEY  
**Telephone** +90(262) 728 10 88 (Pbx)  
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**Company E-mail** [info@sandeco.com.tr](mailto:info@sandeco.com.tr)  
**Company Web Page** [www.sandeco.com.tr](http://www.sandeco.com.tr)

### 1.4 Information Providing Authority About Safety Data Sheet

[Kenan HAYAL – kenan.hayal@dekaboya.com.tr](mailto:kenan.hayal@dekaboya.com.tr)

### 1.5 Emergency Telephone Number

**Company Emergency** +90(216) 575 56 56 (Pbx)

## 2.HAZARDS IDENTIFICATION

### 2.1 Classification Of The Product

#### 2.1.1 Classification According to Regulation (EC) No 1272/2008

Eye irritation (Category 2), H319

Specific target organotoxicity- single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16

### 2.2 Label elements

#### 2.2.1. Labeling According to Regulation (EC) No 1272/2008 [CLP<sup>1</sup>/GHS<sup>2</sup>]

#### Product Identifier

#### Hazard Pictograms

#### Signal Word

WARNING



#### Hazard Statements

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.



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### Precautionary Statements

*P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*Supplemental Hazard Statements : None*

### 2.3 Other hazards

*This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.*

### 2.4. Additional Information

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

## 3.COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Description Of The Substance

*Formula : Sn*

*Molecular weight : 118,69g/mol*

*CAS-No. : 7440-31-5*

*EC-No. : 231-141-8*

### 3.2 Hazardous ingredients

NAME	EINECS NO	CAS NO	CONTENT %	CLASSIFICATION CLP
Tin	231 - 141 - 8	7440 - 31 - 5	Min.98	Eye Irrit. 2; STOT SE 3; H319, H335

### 3.3 Additional information

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

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### 4.1.1 General advice.

*Consult a physician. Show this safety data sheet to the doctor in attendance.*

#### 4.1.2 Following inhalation

*If breathed in, move person into fresh air. If not breathing, give artificial respiration.*

*Consult a physician*

#### 4.1.3 Following skin contact

*Wash off with soap and plenty of water. Consult a physician.*

#### 4.1.4 Following eye contact

*Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.*

#### 4.1.5 If swallowed

*Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.*

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

*The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11*

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

*No data available.*



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### 5. FIRE- FIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing agents:

Use water spray

Alcohol-resistant foam

Dry chemical

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

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

Tin/tin oxide

#### 5.3 Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 Further information

No data available

### 6. ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

#### 6.2. Environmental precautions

Do not let product enter drains.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4. Reference to other sections

For disposal see section 13.

### 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling :

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Air and moisture sensitive. Handle and store under inert gas. Storage class (TRGS 510): Non Combustible Solids

#### 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.



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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Control parameters

Components with workplace control parameters

#### 8.2. Exposure controls

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standardssuch as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

a) Appearance Form	powder
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	No data available
e) Melting point	231,9 °C
f) Boiling point	2687 °C
g) Flash point	Not applicable
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Vapour pressure	No data available
k) Vapour density	No data available
l) Relative density	7,29 g/cm <sup>3</sup> at 25 °C
m) Water solubility	No data available
n) Partition coefficient: n-octanol/water	No data available
o) Auto-ignition temperature	No data available
p) Decomposition temperature	No data available
q) Viscosity	No data available

#### 9.2. Other information

No additional information available.



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### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No data available

#### 10.2 Chemical stability

Stable under recommended storage conditions

#### 10.3 Possibility of hazardous reactions

No data available

#### 10.4 Conditions to avoid:

No data available

#### 10.5 Incompatible materials:

Strong oxidizing agents, Sulphur compounds, Strong bases, Halogens, Do not store near acids.

#### 10.6 Hazardous decomposition products:

Other decomposition products-No data available In the event of fire: see section 5

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Acute toxicity

No data available

##### Skin corrosion/irritation

No data available

##### Serious eye damage/eye irritation

No data available

##### Respiratory or skin sensitisation

No data available

##### Germ cell mutagenicity

No data available

##### Carcinogenicity

Carcinogenicity-Rat-Implant

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.

Carcinogenicity-Mouse-Implant

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Tumorigenic: Tumors at site or application.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### Reproductive toxicity

No data available

##### Specific target organ toxicity-single exposure

Inhalation-May cause respiratory irritation.

##### Specific target organ toxicity-repeated exposure

No data available

##### Aspiration hazard

No data available

##### Additional Information

RTECS: XP7320000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.



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### 12.ECOLOGICAL INFORMATION

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

No data is available

#### 12.3. Bioaccumulative potential

No data is available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

No data available

### 13.DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

##### Contaminated packaging

Dispose of as unused product.

### 14.TRANSPORT INFORMATION

**Not dangerous according to transport regulations.**

#### 14.1 UN number

ADR/RID: - IMDG: - IATA:-

#### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

#### 14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA:-

#### 14.4 Packaging group

ADR/RID: - IMDG: - IATA:-

#### 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

#### 14.6 Special precautions for user

No data available



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### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation(EC) No. 453/2010.

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

#### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

### 16. OTHER INFORMATION

#### 16.1 Other information

For additional information regarding **DEKA BOYA SANAYİ VE TİCARET A.Ş** products and services please contact the **DEKA BOYA SANAYİ VE TİCARET A.Ş** +90(216) 575 56 56 (Pbx)

The above information complies with the (EC) No 1272/2008 (REACH) Directives and their amendments.

In all cases of potential poisoning supportive therapy is of the utmost importance.

#### 16.2 Related Person

Kenan HAYAL – [kenan.hayal@dekaboya.com.tr](mailto:kenan.hayal@dekaboya.com.tr)

DEKA BOYA SANAYİ VE TİCARET A.Ş

Prepared by : Uğur BİLGİLİ

Competent Person Accreditation no: TSE GBF-A-2350

#### 16.3 Revision Date, Version and SDS no

Date : April 14, 2020

Version : 3.0/EN

SDS No : 330082

#### 6.4 Reason of re-issue

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

#### 16.5 Relevant H- and EUH-phrases (number and full text):

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

#### 16.6 Legal disclaimer

The purpose of the above information is to describe the products only in terms of health and safety requirements.

The information given should not, therefore, be construed as guaranteeing specific properties or as specification.

Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.



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The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.

- 1 CLP : Classification Labeling and Packaging
- 2 GHS : Global Harmonised System
- 3 TLV :Threshold Limit Value
- 4 TWA: A Time-Weighted Average
- 5 STEL: A Short Term Exposure Limit
- 6 mg/m<sup>3</sup>: the amount of the Material in milliliters in 1 m<sup>3</sup> air At 20 oC & 101, 3 KPa.
- 7 Ppm: parts per million, the amount of the Material in milliliters in1 m<sup>3</sup> air. (ml/m<sup>3</sup>)
- 8 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- 9 RID : Regulations Concerning the International Transport of Dangerous Goods by Rail
- 10 IMDG: International Maritime Code for Dangerous
- 11 Goods ICAO: International Civil Aviation Organization
- 12 IATA: International Air Transport Association