

# Safety Data Sheet

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



## 94175 Tartrazine 85

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Revised edition: 28.02.2019

Version: 1

Printed: 21.10.2022

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### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

*Product Name:* Tartrazine 85

*Article No.:* 94175

*UFI:* --

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*  
Dyestuff

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.com

*E-Mail:* info@kremer-pigmente.com

*Importer:* --

#### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

#### 1.4.2 Poison Center:

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### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

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

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Possible Environmental Effects:*

#### 2.2. Label Elements

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

*No classification required according to the CLP/GHS guidelines.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

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### 3. Composition/Information on Ingredients

Substance

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3.1.	
3.2. Mixture	
Chemical Characterization:	Azo dye tartrazine: Acid Yellow 23, C.I. 19140; Mol.-weight 534.35 g/mol
Information on Components / Hazardous Ingredients:	
Trisodium 5-hydroxy-1-(4-sulfophenyl)-4-(4-sulfophenyl)-4-(4-sulfophenylazo)pyrazole-3-carboxylate; REACH Reg. No. 01-2120116875-52-0000	100 % CAS-Nr: 1934-21-0 EINECS-Nr: 217-699-5 EC-Nr:

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Additional information:

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### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Take affected person to fresh air.  
Consult physician immediately.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.  
Seek medical attention if irritation persists.

After ingestion:

Rinse mouth with plenty of water.  
Never give anything by mouth to an unconscious person.

#### 4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

No further information available.

#### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No further information available.

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### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

Suitable extinguishing media:

Foam, extinguishing powder, water spray jet.  
Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

Water with full jet.

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### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of carbon and nitrogen oxides, sulfur oxides, toxic gases.*

*In case of fire: formation of metal oxides.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Wear suitable protective clothing.*

*Further information:*

*Avoid contamination of sewage system, open water ways and ground water.*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Ensure adequate ventilation.*

*Avoid formation of dust.*

*Avoid inhalation of dust.*

*Evacuate the danger area, observe emergency procedures, consult an expert.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Take up mechanically and collect in suitable containers for disposal.*

### 6.4. Reference to other Sections

*See Section 13 for information on disposal.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*The usual precautionary measures are to be adhered to when handling chemicals.*

*Provide adequate ventilation.*

*Hygienic measures:*

*Do not eat or drink during work. Do not smoke.*

*Do not inhale dust. Wash hands before breaks and at the end of work.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in tightly sealed containers in a dry and cool room.*

*Requirements for storage areas and*

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*containers:*

*Close open containers with care and store in an upright position to avoid spilling.*

*Store in containers which correspond to the original packaging.*

*Information on fire and explosion protection:*

*Dust may form an explosive mixture with air.*

*Keep away from sources of heat and ignition - do not smoke.*

*Storage class:*

*11; Combustible solids (TRGS 510)*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*No information available.*

## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*none known*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*52.82 mg/kg bw/d (worker, skin contact, long-term exposure - systemic effects)*

*372.52 mg/kg (worker, inhalation, long-term exposure - systemic effects)*

*26.41 mg/kg bw/d (consumer, swallowing, long-term exposure - systemic effects)*

*91.86 mg/kg (consumer, inhalation, long-term exposure - systemic effects)*

*26.41 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)*

*Predicted No-Effect Concentration (PNEC):*

*Fresh water: 0.12 mg/l*

*Sea water: 0.012 mg/l*

*Fresh water sediment: 0.47 mg/kg*

*Sea water sediment: 0.047 mg/kg*

*Intermittent release: 1.2 mg/l*

*Sewage treatment system (STP): 10 mg/l*

*Soil: 0.024 mg/kg*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation.*

*Technical protective measures have priority to personal protective*

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*measures.*

### *Personal Protection*

#### *General protective measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Remove contaminated clothing. Wash hands after work.*

#### *Respiratory protection:*

*Respiratory equipment required in case of insufficient ventilation, filter type P2.*

#### *Hand protection:*

*Protective gloves (EN 374)*

#### *Protective glove material:*

*Butyl rubber, nitrile rubber, chloroprene rubber, fluoro carbon rubber (FKM)*

#### *Eye protection:*

*Safety glasses (EN 166)*

#### *Body protection:*

*Protective clothing, chemical resistant.*

#### *Environmental precautions:*

*Do not allow entering sewerage system.*

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form:* powder

*Color:* yellow

*Odor:* odorless

*Odor threshold:*  
no information available

*pH-Value:*  
not available

*Melting temperature:*  
not available

*Boiling temperature:* 909.54°C (calc.)

*Flash point:*

*Evaporation rate:*  
No information available.

*Flammability (solid, gas):*  
not applicable

*Upper explosion limit:*  
no information available

*Lower explosion limit:*

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*no information available*

*Vapor pressure:* < 0 Pa (25°C)

*Vapor density:* *No information available.*

*Density:* 2.121 (20°C; OECD 109)

*Solubility in water:* soluble

*Coefficient of variation (n-Octanol/Water):* -1.572 (20°C; OECD 109)

*no information available*

*Auto-ignition temperature:* > 400°C

*Decomposition temperature:* 314 - 391°C (ca. 1 atm)  
(OECD 102)

*Viscosity, dynamic:* *not applicable*

*Explosive properties:* *Product is not explosive; however, an explosive dust/air mixture can be formed.*

*Oxidizing properties:* *not oxidizing*

*Bulk density:* *not determined*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*None if used according to specifications.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No further information available.*

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### *Thermal decomposition:*

#### 10.5. Incompatible Materials

*No information available.*

#### 10.6. Hazardous Decomposition Products

*In the event of fire: see part 5.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

##### *Acute Toxicity*

##### *LD50, oral:*

*> 2000 mg/kg*

*NOAEL (chronic): 2641 mg/kg bw/d (oral, m, 2 years); 3348 mg/kg bw/d (oral, f, 2 years); OECD 453*

*NOAEL (FO/P): 2641 mg/kg bw/d (m; OECD 415); 1000 mg/kg bw/d (f; OECD 414)*

*NOAEL (F1): 1000 mg/kg bw/d (m; OECD 414); 1000 mg/kg bw/d (f; OECD 414)*

*NOAEL: 8103 mg/kg bw/d (oral, rat, 90 days; OECD 453)*

##### *LD50, dermal:*

*No information available.*

##### *LC50, inhalation:*

*No information available.*

##### *Primary effects*

##### *Irritant effect on skin:*

*No irritant effect known.*

##### *Irritant effect on eyes:*

*No irritant effect known.*

##### *Inhalation:*

*No irritant effect known.*

##### *Ingestion:*

*No information available*

##### *Sensitization:*

*No sensitizing effects observed (OECD 429)*

##### *Mutagenicity:*

*Not mutagenic (Ames-Test; OECD 471)*

##### *Reproductive toxicity:*

*No relevant data found.*

##### *Carcinogenicity:*

*No negative effects.*

##### *Teratogenicity:*

*No information available.*

##### *Specific target organ toxicity (STOT):*

*Single exposure: the substance or mixture is not classified as next page:*

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*specific target organ toxicant.*

*Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.*

*Aspiration hazard*

*Not applicable*

### 11.2. Information on other Hazards

*When used and handled according to specifications, the product does not have any harmful effects. The product is not subject to classification according to latest version of the General EU Classification Guidelines for Preparations.*

## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*LC50: > 120 mg/l (96h, Danio rerio; OECD 203)*

*Daphnia toxicity:*

*EC50: > 125 mg/l (48h, Daphnia magna; OECD 202)*

*Bacteria toxicity:*

*No data available.*

*Algae toxicity:*

*ErC50: > 125 mg/l (72h, Desmodesmus subspicatus; OECD 201)*

### 12.2. Persistency and Degradability

*30 - 40 %, not readily biodegradable (OECD 301B)*

### 12.3. Bioaccumulation

*log POW: -1.572 (20°C; pH = 6.13; OECD 107)*

*Considered unlikely to bioaccumulate.*

### 12.4. Mobility

*log Koc: -1.253 - -4.228 (20°C; pH = 7)*

*Highly mobile in soil.*

### 12.5. Results of PBT- und vPvP Assessment

*Not classified as PBT substance / Not classified as a vPvB substance.*

### 12.6. Endocrine Disrupting Properties

*Not listed.*

### 12.7. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous*

*Do not let run into surface waters, waste water or soil.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*AOX Value:*

## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

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*Dispose of according to official national and local regulations.  
Must not be disposed together with household garbage.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*Waste Code No.:*

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### 14. Transport Information

#### 14.1. UN Number

*ADR, IMDG, IATA*

#### 14.2. UN Proper Shipping Name

*ADR/RID:*

*No hazardous goods according to ADR / DOT (US) (land transportation).*

*IMDG/IATA:*

*Not hazardous goods*

#### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*not applicable*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*Hazard no.:*

#### 14.4. Packaging Group

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

#### 14.5. Environmental Hazards

*Not classified as environmentally hazardous.*

#### 14.6. Special Precautions for User

*Not classified as a dangerous good under transport regulations.*

#### 14.7. Maritime Transport in Bulk according to IMO Instruments

*not applicable*

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### 14.8. Further Information

*Not classified as a dangerous good under transport regulations.*

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### 15. Regulatory Information

#### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*1, slightly hazardous for water (according to the German Regulation AwSV)*

*Local regulations on chemical accidents:*

*Does not underlie the Accident Ordinance.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable*

*Technical instructions on air quality:*

#### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

#### 15.3. Further Information

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable*

*Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable*

*Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable*

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### 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*