

This MSDS is prepared according to (EU) 2020/878 regulations.

**Product Name: DE 2110 ECO ACTIVATOR**

Page 1/5

**1. PRODUCT NAME AND COMPANY INFORMATION**

Chemical Characteristic	Thiourea S,S-dioxide
Product Description	Auxiliary Agent for the textile screen printing industry
Company Information	ÖZ ANADOLU KİMYA SAN. Ve TİC. A.Ş. Mahmutbey Merkez Mah. Karaoğlanoğlu Cd.Servet Sk.No:8 Bağcılar/İstanbul Tel:0 212 446 92 92 Fax:0 212 446 00 99 Mail: <a href="mailto:istanbul@inkuin.com">istanbul@inkuin.com</a>
Emergency Information	0 212 446 92 92

**2. HAZARDS IDENTIFICATION**
**2.1. Classification of the substance and mixture**

GHS02 , GHS05, GHS07, GHS08

**2.2. Label Elements**
**Pictogram(s)**

**Signal word;** Warning

**Hazard statement(s);** H252 Self-heating in large quantities; may catch fire

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H373 May cause damage to organs through prolonged or repeated exposure

**Precautionary statement(s)**
**Prevention**

P235 Keep cool

P260 Do not breathe dust/fume/gas/mist/vapours/ spray

P264 Wash ... thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

**Response**

P310 Immediately call a POISON CENTER or doctor/physician

P407 Maintain air gap between stacks or pallets

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

**Disposal**

P501 Dispose of contents/container to an appropriate treatment and disposal

facility in accordance with applicable laws and regulations

**2.3. Other hazards which do not result in classification**

No data available

**SAFETY DATA SHEET**

Form No :60  
Date :28/10/2009  
Revision :08  
Revision date :15/01/2026

*This MSDS is prepared according to (EU) 2020/878 regulations.*

**Product Name: DE 2110 ECO ACTIVATOR**

Page 2/5

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Compound Name	Weight %	Cas No	H Phrases	Hazard Class
Discharging Agent	90-100	1758-73-2	H252 H373 H318 H302 H332 H315 H335	Self-heating Damage to organs Eye damage 1 Acute Tox. 4 Acute Tox. 4 Skin irritation 2 Respiratory irri.

For H Phrases text look at section 15.

**4. FIRST-AID MEASURES**

On eye contact	Rinse thoroughly for 15 Minutes and consult a doctor immediately.
On skin contact	Wash thoroughly with water. If possible use working gloves. Take off contaminated clothing immediately. Consult a doctor.
On Inhalation	Remove to fresh air. If symptoms persist, call a physician.
On Swallowing	After swallowing seek medical advice. Show the label and package to doctor. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

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**Product Name: DE 2110 ECO ACTIVATOR**

Page 3/5

**5. FIRE – FIGHTING MEASURES**

Suitable Extinguishing Media	Water mist, foam dry powder, CO2. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	There is no particular unsuitable media. Do not use only water directly
Specific Hazards as a result of fire.	Burning products in case of fire (Carbon dioxide, toxic pyrolysis residues, etc.) Do not inhale.
Precautions against case of fire.	Helmet, Fire-resistant clothing (Arm, leg and waist raound banded, fire-resistant jacket and throusters), gloves (fire protecting, cutting preventive and dielectric), Face protective and Positive pressure Mask covering operator’s face totally or in case of being big amount of smoke, clean air inhalator (tube and masked).

**6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Please look at item 8. If material is spilled the ground may be slippery.
Environmental Precautions	Do not discharge to the sewage, surface water and soil.
Methods of Cleaning	Close the drains (clogging risk). Use absorbent materials for cleaning up. Sweep up the stained places and dispose according to legal regulations.

**7. HANDLING AND STORAGE**

Handling	<p><b>Precautions for safe handling:</b> Assure the working place a well ventilated place. Keep closed the cover of goods well. Avoid contact with strong oxidizing agents.</p> <p><b>Precautions for Fire and explosion danger:</b> There is no special preventions required..</p>
Storage	<p><b>Conditions for safe storage:</b> Keep container tightly closed and dry; store in a cool place at 5°C- 25°C. Keep container protect from light, store.</p> <p><b>Suitable Packaging:</b> Polyethylene</p> <p><b>Common storage warnings:</b> Incompatible substances Strong oxidizing agents</p>

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**Product Name: DE 2110 ECO ACTIVATOR**

Page 4/5

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory protection	In unwell ventilated place Respiratory protection in needed in case there is a spray processing application.
Hand protection	Suitable protection gloves
Eye protection	Protection goggles
Skin protection	Working Clothes are suggested.
	Please follow general condition of chemical applications

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical Form</b>	Powder
<b>Colour</b>	White
<b>Odour</b>	Weak Odour
<b>Melting Point</b>	Not Applied
<b>Boiling Point</b>	Not Applied
<b>Flashing Point</b>	Not Applied
<b>Explosion Danger</b>	Not Explosive
<b>Steam pressure</b>	Not Applied
<b>Solubility with Water</b>	Soluable with Water
<b>Ph</b>	3,5- 5,2 (100g/l, 20°C)
<b>Viscosity</b>	Not Applied
<b>Difference factor</b>	Not Applied

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity:** The product is non-reactive under normal conditions of use, storage and transportation.

**10.2 Chemical stability:** The product is stable under normal conditions of use.

**10.3 Possibility of Hazardous Reactions:** Not polymerize or make reaction because of its inert composition. No dangerous reactions known under normal conditions of use.

**10.4 Conditions to Avoid:** None under recommended storage and handling conditions. Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible Materials:** Strong oxidizing agents

**10.6 Hazardous Decomposition Products:** Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Sulfur oxides (SO<sub>x</sub>)



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**Product Name: DE 2110 ECO ACTIVATOR**

Page 5/5

**11. TOXICOLOGICAL INFORMATION**

It is not seen any bad effects to human health after exposure. We suggest working in suitable and well ventilated working places. Preparat, especially for sensitive individuals, by inhalation / or intrususception by skin /or eye contact and /or by swallowing it could cause some mild effects on health.

Acute Data :

Analojic data, briefly;

LD50>1120 mg/kg rat. (Acute toxicity estimations) Information given is based on product data, a knowledge of the components and the toxicology of similar products.

**Toxicologic extra information:**

General European Community Regulation on Classification for product preparation is not subject to classification according to the latest version of the calculation method, based on the experience we gained and the data received from our suppliers; If used according to the specifications and disposal of this product is not harmful.

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Algae Ec50>32 mg/l (72 hours) (Acute toxicity estimations) Information given is based on a knowledge of the components and the ecotoxicology of similar products.

**12.2 Persistence and Degradability**

No information available

**12.3 Bioaccumulative potential**

The product does not bioaccumulate.

**12.4 Mobility in soil**

The product is miscible with water and may spread in water systems.

**12.5 Results of PBT vPvB assessment**

The product does not contain any substances classified as PBT or vPvB.

**12.6 Other adverse effects**

Information not available

**13. DISPOSAL CONSIDERATIONS**

**Product**

Disposal, in accordance with national and local regulations should be done or delivered to a company with authorized waste management.

**Contaminated Packaging**

Contaminated packaging, recycling in accordance with national laws relating to waste management and should be sent or to be destroyed..



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**Product Name: DE 2110 ECO ACTIVATOR**

Page 6/5

**14. TRANSPORT INFORMATION**

**ADR/RID**

UN number: UN3341  
Proper shipping name: Thiourea dioxide  
UN classification 4.2  
Subsidiary hazard class  
Packing group III  
Marine pollutant: Not applicable

**IMDG**

UN number: UN3341  
Proper shipping name: Thiourea dioxide  
UN classification 4.2  
Subsidiary hazard class  
Packing group III  
Marine pollutant (Sea): Not applicable  
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: No information available

**IATA**

UN number UN3341  
Proper shipping name: Thiourea dioxide  
UN classification 4.2  
Subsidiary hazard class  
Packing group III  
Environmentally Hazardous Substance: Not applicable

**15. REGULATORY INFORMATION**

Hazard Statements; H252 Self-heating in large quantities; may catch fire  
H302 Harmful if swallowed  
H319 Causes serious eye irritation  
Precaution Suggestions; P264 Wash ... thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...  
P301+P317 IF SWALLOWED: Get medical help.  
P330 Rinse mouth.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.



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**Product Name: DE 2110 ECO ACTIVATOR**

Page 7/5

## 16. OTHER INFORMATION

### GENERAL RESOURCES

- 1- 1999/45/AT
- 2- 67/548/AET
- 3- Regulation (EC) 1907/2006 (REACH)
- 4- The Merck Index.Ed.10
- 5- Handling Chemical Safety
- 6- Raw material's MSDS

PS: This MSDS has been prepared in the light of the data which we get from our current updated information and our suppliers. The purpose of this Safety Data Sheet is to describe the products in terms of safe handling, use, processing, storage, transportation, disposal and release. This MSDS does not imply a warranty concerning composition, properties or performance. Also it does not replace the legal validity of a contract.