



This MSDS is prepared according to EU 453/2010 regulations.

Product Name: PA 1465CATALYST

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1. PRODUCT NAME AND COMPANY INFORMATION

Product Description	Catalyst for plastisol applications
Company Information	ÖZANADOLU 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: istanbul@inkuin.com
Emergency Information	0 212 446 92 92

2. HAZARDS IDENTIFICATION



GHS08

Signal Word : Danger

Hazard Class: Sensitisation, respiratory 1

Hazard Phrases :

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precaution Phrases :

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P285 : In case of inadequate ventilation wear respiratory protection.

P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311 : If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Compound Name	Weight %	Cas No	Hazard Class	H Phrases	Limit for Classification
Toluene diisocyanate	0.5-1	26471-62-5	Canc. 2 Acute tox. 2 Eyes Irri. 2 Specific target organ toxicity single exposure Skin Irri. 2 Sensitisation, respiratory 1 Skin Sens. 1 Chronic Aquatic	H351 H330 H319 H335 H315 H334 H317 H412	%1 - %10 %20 %10 %0.1 %1 -

4. FIRST-AID MEASURES

On eye contact	Rinse thoroughly for 15 Minutes and consult a doctor immediately.
On skin contact	Have not important effects .Wash thoroughly with water. If possible use working gloves.
On Inhalation	Have not important effects. After much inhalation go fresh air.
On Swallowing	After swallowing seek medical advice. Show the label and package to doctor.



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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 round banded, fire-resistant jacket and trousers), 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	Precautions for safe handling: Assure the working place a well ventilated place. Keep closed the cover of goods well. Precautions for Fire and explosion danger: There is no special
Storage	Conditions for safe storage: Keep container tightly closed and dry; store in a cool place at 5°C- 25°C. Suitable Packaging: Polyethylene Common storage warnings: Not required.



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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

Physical Form	Liquid
Colour	Yellowish
Odour	Weak Odour
Melting Point	Not Applied
Boiling Point	No data
Flashing Point	No data
Explosion Danger	No data
Steam pressure	No data
Self Flammability	No data
Solubility with Water	Insoluable with Water
Ph	No data
Viscosity	2000-3000 mPas (25°C)
Difference factor	Not Applied

10. STABILITY AND REACTIVITY

The product is stable and no hazardous reaction will occur in normal condition. In decomposition and fire hazardous vapour may occur.



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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 introsusception by skin /or eye contact and /or by swallowing it could cause some mild effects on health.

Acute Data :
Analojic data, briefly;
LD50>5000 mg/kg rat.

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

Biodegradable:

Product according to OECD criterias, because of its nature is Biodegradable. In biological treatment plant elemination can be done with foliculation, defecation and activated clay adsorbtion.

Ecotoxicity Effects:

Water Toxicity:(OECD 202,section1,DIN38412,section11,DEV L11)

Dafnia Toxicity Ec50>1000 mg/l (Dapnia manga,48 hours)

13. DISPOSAL CONSIDERATIONS

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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14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations (ADR, RID, IMDG ,ICAO/IATA)

15. REGULATORY INFORMATION

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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.