

**EC - SAFETY DATA SHEET**  
Product Identification **Super density Kimoto Pake H892/H893/UF**

**1. Product identification and manufacturer**

- 1.1 Product information**  
Commercial product name **Super density Kimoto Pake H892/H893/UF**
- 1.2 Manufacturer's name/Supplier**  
Manufacturer / Supplier **Kimoto Ltd**  
Addressee **Schwamendingenstr. 5**  
**CH - 8050 Zürich**  
Telephone / Telefax **+41 1 211 4747 / +41 1 311 40 31**  
Information **Phone no.**
- 1.2 Emergency phone numbers**  
Emergency phone no. CH **Emergency phone no.**  
Swiss TOX Centre 01 251 51 51

**2. Product characterisation**

**2.1 Chemical composition**

CAS-No	EC-No	Identification	Prop (%)	Code	R-Codes
110-80-5	603-012-00-X	Ethylenglycol monoethyl Ether Azodyes Ketone resin		T	60-61-10-20-21-22

Further information  
Delivery form: Pen

**3. Potential dangers**

- 3.1 Human being**  
Processing the substance, the formation of explosive air/vapour mixture is possible. Do not breath vapour. Avoid contact with eye and skin. Can result in reduction of reproductiveness. Can result in damage of unborn life.
- 3.2 Environmental**  
Harmful substance for fruits, Substance class B

**4. First aid - Measures**

- 4.1 Inhalation**  
Bring out of area of risk and supply plenty of fresh air. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 4.2 Skin contact**  
Wash with plenty of water and soap. Seek for medical advice.
- 4.3 Eye contact**  
Rinse immediately with plenty of water. Seek medical advice.
- 4.4 Ingestion**  
If victim is conscious, give salt-water to vomit, consult a doctor.

## 5. Measures in case of fire

- 5.1 **Suitable extinguish media:** Dry chemical, CO2, Halogen agent
- 5.2 **Not to be used as extinguishing media:**
- 5.3 **Unusual fire / explosion hazards or hazardous decomposition products:**
  
- 5.4 **Special protective equipment for fire combat**  
Use self contained air supply for respiratory and wear protective clothes to prevent contact with skin and eyes

## 6. Measure in case of accidental release

- 6.1 **Human related safety purposes**  
see 8.3"Personal protective equipment"
  
- 6.2 **Environmental protection measures and cleaning**  
After spillage/leakage wipe off with cloth. Do not empty into drains or sewers.

## 7. Handling and Storage procedures

### 7.1 Handling

- 7.1.1 Information for secure handling  
Keep container tightly closed in a well ventilated place. Avoid contact with eye and skin.
  
- 7.1.2 Information for fire and explosion protection  
Keep away from sources of ignition - No smoking

### 7.2 Storage

- 7.2.1 Requirements on storage rooms and containers  
Keep container tightly closed in a well ventilated place
  
- 7.2.2 Incompatible products
  
- 7.2.3 Further information / Storage classification

## 8. Working Place Safety and Personal Protective Equipment's

### 8.1 Additional hints for design of working places

Prepare personal protective equipment, see 8.3

### 8.2 Substances with working place related limits, to be controlled

CAS-No.	Characterisation	Type	Value	Unit
110-80-5	Ethylenglycol monoethyl ether	MAK	75	mg/m <sup>3</sup> H

### 8.3 Personal protective equipment's

8.3.1 Industrial hygiene and general protective measurements  
 Do not breathe vapour. Avoid contact with eye and skin

8.3.2 Respiratory protection

8.3.3 Hand protection

8.3.4 Eye protection

8.3.5 Body protection

## 9. Physical and Chemical Properties

### 9.1 Appearance

9.1.1 **Form:** liquid

9.1.2 **Colour** red

9.1.3 **Odour** ether

### 9.2 Safety related information's

9.2.1 Boiling point/range (°C)	136	Melting point/range (°C)	-70
9.2.2 Flash point (°C)	45	in closed melting pot (°C)	
9.2.3 pH-Value, conc.	n.a.	pH Value, 1% in water	n.a.
9.2.4 Inflammability (EG A10/A13)	yes		
9.2.5 Ignition temperature (°C)	238		
9.2.6 Self ignition (EGA16)			
9.2.7 Fire supporting characteristics			
9.2.8 Danger of explosion	yes		
9.2.9 Explosion limits (Vol % lower)	1.8	(Vol % upper)	16
9.2.10 Thermal decomposition (°C)			

### 9.3 Other characteristics

9.3.1 Density	(g/ml)	0.93
9.3.2 Solubility		
9.3.3 Vapour pressure	(mbar)	5.3 (25°C)
9.3.4 Vapour density	(Air=1)	
9.3.5 Distribution coefficient n-Octanol/H <sub>2</sub> O		
9.3.6 Viscosity		2.05 cps
9.3.7 Solvent separation test		
9.3.8 Solvent Concentration (Gew.%)		
9.3.9 Evaporation number		
9.3.10 Chem. Oxygen Demand COD (mg/l)		
9.3.11 Biochem. Oxygen demand BODS (mg/l)		

## 10. Stability and Reactions

- 10.1 Conditions to avoid
- 10.2 Substances to keep away from
- 10.3 Hazardous decomposition products

## 11. Information on Toxicity

- 11.1 **Acute toxicity**

LD50 orl rat	2,125	mg/kg
LC50 ihl rat	2,000	ppm/7h
LCLo ihl gpg	3,000	mg/m <sup>3</sup> /24h
LD50 skn rbt	3,000	mg/kg
- 11.2 **Subacute to chronically toxicity**

Can result in reduction of reproductiveness. Can result in damage of unborn life.
- 11.3 **Experience on human being / other information**

Inhalation of plenty of vapour may result in vomit, colic or vertigo. Prolonged or repeated skin contact may cause skin irritation.

## 12. Information on Ecological Effects

- 12.1 Information about degradation
- 12.2 Influence on biological sewage treatment plants
- 12.3 **Other information**

Harmful substance for fruits, Substance class B

## 13. Disposal

- 13.1 **Recommendation for product rests**

Dispose in compliance with applicable local, county, state or federal regulations regarding health and environment. Disposal as organic halogen free solvent
- 13.2 **Recommendation for contaminated packing material**

Dispose in compliance with applicable local, county, state or federal regulations regarding health and environment.

## 14. Information on Transport

- 14.1 **Transport on road**

ADR/RID/GGVS/GGVE class 3 No/Letter 31 c  
Correct technical declaration
- 14.2 **Transport by ship**

IMDG/GGV Sea-class 3.3/III UN-No: 1171  
EmS-No MFAG :  
Marine Pollutant:  
Correct technical declaration
- 14.3 **Air transport**

ICAO / IATA - Class 3 UN / ID-No: 1171  
Correct technical declaration halogen free organic solvent  
PAX 309 CAO 310

## 15. Regulations

### 15.1 Declaration

Safety symbols T Safety declaration Toxic  
Compounds

#### Ethylenglycolmonoethyether

#### R-codes

10 flammable  
20/21/22 Harmful by inhalation, in contact with skin and if swallowed  
60 Can result in reduction of reproductiveness  
61 Can result in damage to unborn life

#### S-Codes

45 Avoid contact with eye  
53 Avoid exposition to the product. Refer to special instructions/safety data sheets

#### Special declarations

### 15.2 National declarations

## 16. Further Information

This information is based on the knowledge and experience made until the date of the elaboration of this document, without any guarantee related to the products characteristics