

# Material Safety Data Sheet

## SECTION 1 Product and company identification

- a) Product Name EPOXY FILLER
- b) Recommended use of the chemical and restrictions on use
- General Use Paints, coatings, adhesives, metal bond, composite and electronic devices.
- Limit Use No data
- c) Manufacturer/Supplier/Distributor Information
- Distributor T-ISS
- Address Helmkamp 34, 7091 HR, Dinxperlo, The Netherlands
- Emergency or Information Tel. : +31 (0) 315-656060
- Contact Fax : +31 (0) 315-656063

## SECTION 2 Hazards identification

- a) Hazard Risk Classification
- Acute Toxicity - Oral : Category 4
- Skin Corrosion/Irritation : Category 2
- Serious Eye Damage/Irritation : Category 2A
- Skin Sensitization : Category 1
- Chronic hazards to the aquatic environment : Category 2
- b) Other Hazard Risk which are not included in the classification criteria
- Health 2
- Fire 1
- Reactivity 0

## SECTION 3 Composition/Information on ingredients

CHEMICAL NAME	CAS#	%Composition
DIGLYCIDYL ETHER OF BISPHENOL A	25068-38-6	30-60
DIETHYLENETRIAMINE	111-40-0	10-30
ADDITIVE	-	5-10

## SECTION 4 First aid measures

- a) Eye contact
- Flush eyes with plenty of water for at least 15 minutes while holding eyelids open.
- Consult a physician if signs of irritation appear
- b) Skin contact
- Immediately remove contaminated clothing or shoes, wash skin w plenty of water for at least 15 minutes.
- Use soap if readily available, or follow by thoroughly washing s p and water.
- Do not reuse clothing until thoroughly decontaminated.
- c) Inhalation
- Move person to fresh air area and provide oxygen if breathing is difficult.
- Consult a physician if effects occur.
- d) Ingestion
- Do not induce vomiting because of risk of aspiration.

Rinse mouth with water.

Consult a physician if effects occur.

## **SECTION 5 Fire-Fighting measures**

### a) Suitable (and unsuitable) extinguishing media

Suitable extinguishing media Dry chemical, carbon dioxide, water, foam in use.

Unsuitable extinguishing media No data

Conflagration Use foaming agent in use or water spray.

### b) Specific hazards arising from the chemical

Combustion product In case of fire, toxic fumes might be formed

Fire-fighting hazard May cause fire.

### c) Special protective equipment and precautions for fire-fighters

Isolate from heat, electrical equipment, sparks and opened flame.

Wear self-contained breathing apparatus.

## **SECTION 6 Accidental release measures**

### a) Personal precautions, protective equipment and emergency procedures

Use protective equipment as required.

Avoid skin contact or inhalation.

### b) Environmental precautions and protective procedures

Air No data

Soil No data

Underwater Store away from water supply and drainage

### c) Methods and materials for containment and cleaning up

Little leakage No entry to unauthorized person.

All disposal methods must be in compliance with applicable local regulations.

Sweep spilled material into non-leaking containers.

Absorb with sand or non-flammable material.

Enormous leakage No data

## **SECTION 7 Handling and storage**

a) Precautions for safe handling Keep in a cool, well-ventilated place and container closed.

b) Conditions for safe storage Avoid contact with skin and eyes.

Use with adequate ventilation.

Keep away from heat, flame, sparks and high temperature.

## **SECTION 8 Exposure controls & personal protection**

### a) Control parameters

Domestic regulation No data

ACGIH No data

BEL No data

b) Appropriate engineering controls No data

### c) Personal protective equipment

Respiratory protection Never exceed the national Occupational Exposure Limit.

Use local. Exhaust ventilation or handle in a ventilated enclosure.

Eye protection	For greater protection a face piece chemical cartridge respirator is recommended.
Hands protection	Safety glasses with side shields.
Body protection	Chemical resistant gloves. Chemical resistant protective suit. Chemicals resistant boots. Don't need protective clothes at normal state.

## SECTION 9 Physical and chemical properties

a) Appearance	
physical state	Liquid
color	Pale yellow
b) Odor	Odorless
c) Odor threshold	No data
d) pH	6-8
e) Melting point/freezing point	No data
f) Initial boiling point and boiling range	> 204.4 °C
g) Flashing point	254.4 °C
h) Evaporation rate	No data
i) Flammability (solid, gas)	No data
j) Upper/lower flammability or explosive limits	No data
k) Vapor pressure	< 0.1 mmHg (at 25 °C), 1 mmHg (at 180 °C)
l) Solubility	No data
m) Vapor density	No data
n) Relative density	1.17 (Water = 1)
o) Partition coefficient: n-octanol/water	2.821
p) Auto-ignition temperature	No data
q) Decomposition temperature	No data
r) Viscosity	11,500 - 13,500 cps (at 25 °C)
s) Formula mass (Mw)	368 - 388

## SECTION 10 Stability and reactivity

a) Chemical stability	Stable
b) Possibility of hazardous reactions	No data
c) Conditions to avoid	Excessive heating
d) Incompatible materials	Acids, amines, bases, oxidizing agents
e) Hazardous decomposition products	May produce hazardous carbon oxides, Chloro hydrogen.

## SECTION 11 Toxicological information

a) Information on the likely routes of exposure	
by respiratory organ	May cause respiratory organ irritation.
by mouth	No data
by skin and contact	May cause skin irritation.
by eye and contact	May cause eye irritation.
b) Delayed and immediate effects as well as chronic effects from rt- and long-term exposure	

Acute toxic	
Oral	LD50 > 1,000 mg/kg Rat
Dermal	LD50 > 20,000 mg/kg Rabbit
Inhalation	No data
Skin corrosive/irritant	Skin irritation at rabbit. (CERI Hazard 2008)

### SECTION 12 Ecological information

a) Aquatic and terrestrial ecotoxicity	
fish	LC50 1.41mg/L 96hr
crustacea	EC50 1.7mg/L 48hr
aquatic plant	No data
b) Persistence and degradability	
Persistence	log Kow 2.281
Resolvability	No data
c) Bioaccumulative potential	
Concentration	0.56 <= BCF =< 0.67 (Exposure concentration : 10ug/L) 5.6 <= BCF =<6.8 (Exposure concentration : 1ug/L)
Bio resolvability	0(%) 28day
d) Mobility in soil	No data
e) Other adverse effects	No data

### SECTION 13 Disposal considerations

a) Disposal method	Dispose of contents/container to the regulations
b) Disposal precaution	No data

### SECTION 14 Transport information

a) UN number	3082
b) UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
c) Transport hazard class	9
d) Packing group	III
e) Marin pollution	No data
f) Special precaution which a user to be aware of or needs to compl with in connection with transport or conveyance either within or outside their premises	
Emergency procedure at fire	F - A
Emergency procedure at leakages	S - F

### SECTION 15 Regulatory information

a) Occupational Safety and Health Act	Not applicable
b) Toxic Chemical Control Act	Observational chemical
c) Safety Control Dangerous Substance Act	Not applicable
d) Wastes Control Act	No data
e) Other requirements in domestic and other countries	
Domestic regulation	
Persistent Organic Pollutant Control Act	Not applicable
Other countries	
USA (OSHA)	Not applicable

USA (CERCLA)	Not applicable
USA (EPCRA 302)	Not applicable
USA (EPCRA 304)	Not applicable
USA (EPCRA 313)	Not applicable
USA (Rotterdam Convention material)	Not applicable
USA (Stockholm Convention material)	Not applicable
USA (Substance Montreal Protocol)	Not applicable
EU (Classification)	Xi Irritation
	N Environmental hazardous
EU (Risk Phrases)	R36/38 Irritating to eyes and skin.
	R43 May cause sensitization by skin contact.
	R51/53 Toxic aquatic organisms, may cause long-term adverse effects in the aquatic environment.
EU (Safety Phrases)	S2 Keep out of the reach of children.
	S28 After contact with skin, wash immediately with plenty of... be specified by the manufacturer).
	S37/39 Wear suitable protective clothing and eye/face protection.
	S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

## **SECTION 16 Other information**

a) Information source and references	No data
b) Issuing date	2011-5-7