

# EC-Safety Data Sheet

Conforms to REACH-Regulation (EC) No. 1907/2006

Date of issue 12.04.2011 printing date 18.05.2011

E:zero Iso

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## 1. Identification of the Substance / Preparation and of the company / undertaking

### Identification of the Substance or Preparation

Product name **E:zero Iso**

### Use of the Substance or Preparation

industrial application  
Component of a Polyurethane System

### Company / undertaking identification

Name CPI Foam Ltd  
Address Unit 2c, Charvey Lane Ind Est  
Rathnew  
Co. Wicklow  
Ireland

Telephone +353 (0)404 66111  
Fax +353 (0)404 66088  
e-mail info@cpifoam.ie

### Emergency telephone number

Telephone +353 (0)404 66111

## 2. Hazards Identification

### Classification of the substance or mixture

Product definition formulation

Classification according to Directive 67/548/EWG or 1999/45/EC

Xn harmful

R 20 Harmful by inhalation

### Label elements

Hazard pictograms



Hazard statements R 20 Harmful by inhalation

Precautionary statements

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 28 After contact with skin, wash immediately with plenty of hot and soapy water.

S 45 In case of accident or indisposition, seek medical advice immediately (show this label where possible)

## 3. Composition / Information on Ingredients

Substance/Preparation preparation

ingredient name	identifiers	%	classification 67/548/EWG
1,1,1,3,3-Pentafluoropropane	CAS: 406-58-6	<15	F; R11
1,1,1,2,3,3,3-Heptafluoropropane	CAS: 431-89-0	<15	---
1,1,1,3,3-pentafluoropropane	CAS: 460-73-1	<5	---

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**Composition / Information on Ingredients** (continuation)

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

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**4. First Aid Measures****General information**

Remove immediately contaminated clothes.

**Inhalation**

After inhalation remove to fresh air and take medical advice

**Skin contact**

After contact with skin wash immediately with plenty of water and soap. Contaminated clothes have to be taken off

**Eye contact**

Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist) should be consulted immediately

**Ingestion**

Should the product be swallowed seek medical advice

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**5. Fire-Fighting Measures****Extinguishing Media Suitable**

CO<sub>2</sub>, foam, dry powder, in case of larger fires, water spray should be used.

**Unsuitable Extinguishing Media**

not known

**Hazard Thermal Decomposition Products**

hazard thermal decomposition products could be CO<sub>x</sub>, NO<sub>x</sub>, SiO<sub>x</sub>, HX

**Special Protective Equipment for Fire Fighters**

Respiratory protection with independent air supply required. Personal should be evacuated. Contaminated water shouldn't get into the soil, ground water or rivers and lakes.

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**6. Accidental Release Measures****Personal Precautions**

protection clothes, avoid contact with skin and eyes

**Environmental Precautions**

Do not allow to escape into waterways, wastewater or soil

**Methods for Cleaning Up**

take up with wet, liquid absorbent for chemicals (e.g. dry sand, sawdust).

**Additional advice**

see section 8 exposure controls / personal protection

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see section 13 disposal considerations

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## **7. Handling and Storage**

### **Handling**

Observe the usual precautionary measures for chemicals. Avoid contact with skin and eyes.

### **Storage**

Product is hygroscopic. Keep separated from foodstuffs. Recommended storage temperature 25° C.

### **more information**

Keep container tightly closed and dry. Not suitable materials are copper, copper alloy, and galvanised materials.

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## **8. Exposure Controls / Personal Protection**

### **Occupational exposure limits**

Not available

### **Principal Protection**

Avoid contact with skin and eyes. Do not breathe gas / vapors / spray.

### **Respiratory Protection**

In case of inadequate ventilation or if indicated by risk assessment wear respiratory protection approved according to a recognized specification. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

### **Hand Protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

### **Eye Protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

### **Skin Protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Note: wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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## **9. Physical and Chemical Properties**

Form		liquid
Colour		green
Odour		characteristic
Pour point	°C	not determined
Boiling point	°C	not determined

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Flash point	°C	not inflammable product
Ignition temperature	°C	not determined

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## **Physical and Chemical Properties** (continuation)

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Vapour pressure at 20°C	mbar	not determined
Explosive limits	Vol%	not determined
Solubility in water		partially soluble
pH value		not applicable
Density at 25°C	g/cm <sup>3</sup>	aprox. 1,15
Viscosity at 25°C	mPas	<280

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## **10. Stability and reactivity**

Stable when stored and handled correctly

### **Materials to avoid**

Copper, copper alloys and plated surfaces

### **hazardous reactions**

None when stored and handled correctly

### **hazardous decomposition products**

None when stored and handled correctly

possible hazard decomposition respectively thermal decomposition products could be CO<sub>x</sub>, NO<sub>x</sub>, SiO<sub>x</sub>, HX

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## **11. Toxicological information**

### **Potential acute health effects**

#### **Acute oral toxicity**

Do not have information relating this topic

<b>Inhalation</b>	special effects or risk unknown
<b>Ingestion</b>	special effects or risk unknown
<b>Skin contact</b>	special effects or risk unknown
<b>Eye contact</b>	special effects or risk unknown

### **Potential chronic health effects**

Chronic effects	special effects or risk unknown
Carcinogenicity	special effects or risk unknown
Mutagenicity	special effects or risk unknown
Teratogenicity	special effects or risk unknown
Developmental effects	special effects or risk unknown
Fertility effects	special effects or risk unknown

### **Signal / symptoms by exposure**

Inhalation	of vapours, it can affect the nostrils
Ingestion	no data available
Skin	could be produce irritations
Eye	could be produce irritations

All these inconveniences increase at high temperatures.

**12. Ecological information****More ecological notes**

Material contains organic combined halogen

Do not allow to escape into waterways, wastewater or soil

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**13. Disposal considerations****Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Care should be taken when handling emptied packaging that have not been cleaned or rinsed out. This material and its packaging must be disposed of in a safe way. Follow the relevant legislation.

**European waste catalogue (EWC)**

The relevant EC-regulations as well as the local, regional and national regulations have to be followed. The consumer is responsible for classification according the european waste catalogue. It is recommended to discuss the details with the responsible waste management company.

**Hazardous waste**

The classification of the product eventually meets the criteria for hazardous waste

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**14. Transport information**

not classified as dangerous goods according international transportation to (RID/ADR, ADNR, IMDG, ICAO/IATA)

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**15. Regulatory information**

Labelling required in accordance with the EEC directives 67/548/EWG or 1999/45/EG (see section 2)

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**16. Other information****completed text from all R-phrases named in section 2 and 3**

R 11 Highly flammable

R 20 Harmful by inhalation

**completed text from all classification named in section 2 and 3**

F highly flammable

Xn harmful

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION.  
WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS  
MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

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## **Other information** (continuation)

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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