

## **SAFETY DATA SHEET**

### **Chef Inox Bio Heat Wicked Chafing Fuel**



#### **NEW SOUTH WALES**

**Head Office & Warehouse**  
39 Wentworth Street  
Greenacre NSW 2190

**Showroom**  
90 Euston Road  
Alexandria NSW 2190  
**Phone** | (02) 8655 4675  
**Fax** | 1300 866 546  
sales@tomkin.com.au



#### **VICTORIA**

**Office & Showroom**  
371-377 Flemington Road  
North Melbourne VIC 3051  
**Phone** | 1800 866 546  
vicsales@tomkin.com.au

#### **SOUTH AUSTRALIA**

**Office & Showroom**  
31 Grove Avenue  
Marleston SA 5033  
**Phone** | (08) 8297 1122  
sasales@tomkin.com.au

#### **QUEENSLAND**

**Office & Showroom**  
27 Ipswich Road  
Woolloongabba QLD 4102  
**Phone** | (07) 3391 0424  
qldsales@tomkin.com.au

#### **WESTERN AUSTRALIA**

**Office & Showroom**  
Unit 3/30 Gympie Way  
Willetton WA 6155  
**Phone** | (08) 9259 1516  
wasales@tomkin.com.au

- **Product Identifier**

Product Name	CHEF INOX BIO HEAT WICKED CHAFING FUEL
Synonyms	-
CAS No.	111-46-6
EC No.	203-872-2
Molecular Formula	C <sub>4</sub> H <sub>10</sub> O <sub>3</sub>

- **Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

Relevant Identified Uses	FOOD HEATING
--------------------------	--------------

- **Emergency Phone Number**

Emergency Phone Number	+61 13 11 26
------------------------	--------------

### Hazard class and label elements of the product according to GHS (the ninth revised edition):

- **GHS Hazard Class**

Acute Toxicity - Oral

Category 4

- **GHS Label Elements**

Pictogram



Signal Word

**Warning**

- **Hazard Statements**

H302

Harmful if swallowed

- **Precautionary Statements**

Prevention

P264

Wash hands and other contact area thoroughly after handling.

P270

Do not eat, drink, or smoke when using this product.

Response

P330

Rinse mouth.

P301 + P317

IF SWALLOWED: Get medical help.

Storage

Not applicable

Disposal

P501

Dispose of contents/container in accordance with local / regional / national / international regulations.

## Section 3 Composition / Information on Ingredients

Component	Concentration (weight percent, %)	CAS No.	EC No.
Diethylene glycol	100	111-46-6	203-872-2

## Section 4 First Aid Measures

### • Description of First Aid Measures

General Advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of First-Aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

### • Most Important Symptoms and Effects, both Acute and Delayed

- 1 Substance accumulation, in the human body, may occur and may cause some concern following repeated or long term occupational exposure.

### • Indication of Any Immediate Medical Attention and Special Treatment Needed

- 1 Treat symptomatically
- 2 Symptoms may be delayed

## Section 5 Fire Fighting Measures

### ● Extinguishing Media

**Suitable Extinguishing Media** Dry chemical, carbon dioxide, water spray, alcohol resistant foam.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter or spread fire.

### ● Specific Hazards Arising from the Substance or Mixture

- 1 Containers may explode when heated.
- 2 Fire exposed containers may vent contents through pressure relief valves.
- 3 May expansion or decompose explosively when heated or involved in fire.

### ● Advice for Firefighters

- 1 As in any fire, wear self contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

## Section 6 Accidental Release Measure

### ● Personal Precautions, Protective Equipment and Emergency Procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

### ● Environmental Precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

### ● Methods and Materials for Containment and Cleaning Up

- 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 3 Remove all sources of ignition. Use spark proof tools and explosion proof equipment.

## Section 7 Handling and Storage

### ● Precautions for Handling

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with skin and eyes.
- 4 Keep away from heat/sparks/open flames/ hot surfaces.
- 5 Take precautionary measures against static discharges.

### ● Precautions for Storage

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well ventilated place.
- 3 Keep away from heat/sparks/open flames/ hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

## Section 8 Exposure Controls / Personal Protection

### ● Control Parameters

#### Occupational Exposure Limit Values

Component	Country / Region	Limit Value - Eight Hours		Limit Value - Short Term	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Diethylene glycol 111-46-6	Sweden	10	45	20	90
	New Zealand	23	101	-	-
	Ireland	23	100	-	-
	Germany (AGS)	10	44	40	176
	Denmark	2.5	11	5	22
	Australia	23	100	-	-

#### Biological Limit Values

No information available

#### Monitoring Methods

- 1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 160 Determination of toxic substances in workplace air (Series effective standard) and GBZ/T 300 Determination of toxic substances in workplace air (Series standard).

## • Engineering Controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk elimination area.

## • Personal Protection Equipment

Eye Protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
Hand Protection	Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
Respiratory Protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full face respirator with multi purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and Body Protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

## Section 9 Physical and Chemical Properties

<b>Appearance:</b> Colorless transparent liquid	<b>Odor:</b> No information available
<b>Odor Threshold:</b> No information available	<b>pH:</b> 6~8 (20°C, 200g/l)
<b>Melting Point / Freezing Point:</b> -6.5°C	<b>Initial Boiling Point and Boiling Range:</b> 245°C
<b>Flash Point (°C) (Closed Cup):</b> 124	<b>Evaporation Rate:</b> No information available
<b>Flammability:</b> Not applicable	<b>Upper/lower explosive limits[% (v/v)]:</b> Upper Limit: 37 Lower Limit: 1.7
<b>Vapor Pressure (KPa):</b> 2.7Pa (20°C)	<b>Relative Vapour Density (Air=1):</b> 3.7
<b>Relative Density(Water=1):</b> 1.12	<b>Solubility:</b> Miscible with water
<b>n-Octanol/Water Partition Coefficient:</b> -1.47	<b>Auto Ignition Temperature(°C):</b> 229
<b>Decomposition Temperature(°C):</b> No information available	<b>Kinematic Viscosity (mm<sup>2</sup> /s):</b> No information available
<b>Particle characteristics:</b> Not applicable	

## Section 10 Stability and Reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical Stability	Stable under proper operation and storage conditions.
Possibility of Hazardous Reactions	No information available
Condition to Avoid	Incompatible materials, heat, flame and spark.
Incompatible Materials Hazardous	No information available
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11 Toxicological Information

### ● Acute Toxicity

Component	CAS No.	LD <sub>50</sub> (Oral)	LD <sub>50</sub> (Dermal)	LD <sub>50</sub> (Inhalation,4h)
Diethylene glycol	111-46-6	12565mg/kg(Rat)	11890mg/kg(Rabbit)	No information available

### ● Skin Corrosion / Irritation

No information available

### ● Serious Eye Damage / Irritation

No information available

### ● Skin Sensitization

No information available

### ● Respiratory Sensitization

No information available

### ● Germ Cell Mutagenicity

No information available

### ● Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	111-46-6	Diethylene glycol	Not Listed	Not Listed



- **Reproductive Toxicity**

No information available

- **Reproductive Toxicity (Additional)**

No information available

- **STOT-Single Exposure**

No information available

- **STOT-Repeated Exposure**

No information available

- **Aspiration Hazard**

No information available

## Section 12 Ecological Information

- **Acute Aquatic Toxicity**

Component	CAS No.	Fish	Crustaceans	Algae
Diethylene glycol	111-46-6	LC <sub>50</sub> : 75200mg/L (96h)(Fish)	No information available	No information available

- **Chronic Aquatic Toxicity**

No information available

- **Others**

Persistence and Degradability	No information available
Bioaccumulative Potential	No information available
Mobility in Soil	No information available
Results of PBT and vPvB Assessment	Diethylene glycol does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

## Section 13 Disposal Considerations

Waste Chemicals	Before disposal should refer to the relevant national and local laws and regulation.
Contaminated Packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal Recommendations	Refer to Waste chemicals and Contaminated packaging.

## Section 14 Transport Information

Transporting Label	Not applicable
UN Number	-
UN Proper Shipping Name	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
Transport Hazard Class	None
Transport Subsidiary Hazard Class	None
Packing Group	-

## Section 15 Regulatory Information

### • International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Diethylene glycol	✓	✓	✓	✓	✓	✓	✓	✓	✓

**EINECS** European Inventory of Existing Commercial Chemical Substances.

**TSCA** United States Toxic Substances Control Act Inventory.

**DSL** Canadian Domestic Substances List.

**IECSC** China Inventory of Existing Chemical Substances.

**NZIoC** New Zealand Inventory of Chemicals.

**PICCS** Philippines Inventory of Chemicals and Chemical Substances.

**KECI** Existing and Evaluated Chemical Substances.

**AICS** Australia Inventory of Chemical Substances.

**ENCS** Existing And New Chemical Substances.

#### Note

✓ Indicates that the substance included in the regulations

✗ That no data or included in the regulations

Creation Date	2025/3/13
Revision Date	2025/3/13
Reason for Revision	-

### ● Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 9th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.