

## Safety Data Sheet according to WHS Regulations

Printing Date: 01.12.2022

Version Number: 4.0

Revision Date: 01.12.2022

### 1 Identification

**Product identifier:**

Trade name: *HA Safefoam NF*
**Relevant identified uses of the substance or mixture, and uses advised against:**
**Relevant identified uses of the substance or mixture:** Injection materials.

**Identified uses advised against:** No further relevant information available.

**Details of the supplier of the safety data sheet:**
**Manufacturer/supplier:**

GCP Australia Pty. Ltd.  
14 Colebard Street West  
Archerfield, Queensland 4108  
Australia

**Further information obtainable from:**

Tel: 1800 334 444  
Fax: +61 7-3275-7801  
APMSDS@gcpat.com

**Emergency telephone number:**

EHS Department, Inchon, Korea - Tel: (82-32) 820-0800  
After hours - Tel. No. 1800 039 008

### 2 Hazard(s) Identification

**Classification of the substance or mixture:**

Acute Tox. 4	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irritation 2A	H319 Causes serious eye irritation.
Resp. Sens. 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Carc. 2	H351 Suspected of causing cancer.
STOT SE 3	H335 May cause respiratory irritation.
STOT RE 1	H372 Causes damage to organs through prolonged or repeated exposure.

**Label elements:**
**GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).

**Hazard pictograms**


GHS07 GHS08

**Signal word** Danger

**Hazard-determining components of labelling:**

Methylenediphenyl diisocyanate, mixture of isomers  
Diphenylmethane-4,4'-di-isocyanate

**Hazard statements**

Harmful if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

# Safety Data Sheet

## according to WHS Regulations

Printing Date: 01.12.2022

Version Number: 4.0

Revision Date: 01.12.2022

**Trade name: HA Safe foam NF**

(Contd. of page 1)

May cause an allergic skin reaction.

Suspected of causing cancer.

May cause respiratory irritation.

Causes damage to organs through prolonged or repeated exposure.

### Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

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

Wear protective gloves/protective clothing/eye protection/face protection.

Wear respiratory protection.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a POISON CENTER/doctor if you feel unwell.

Get medical advice/attention if you feel unwell.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

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

### Other hazards:

### Results of PBT and vPvB assessment:

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 3 Composition and Information on Ingredients

### Chemical characterization: Mixture:

**Description:** Mixture of substances listed below with non-hazardous additions.

#### Dangerous components:

26447-40-5	Methylenediphenyl diisocyanate, mixture of isomers	30-<50%
	Acute Tox. 1, H330	
	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 1, H372	
	Skin Irrit. 2, H315; Eye Irritation 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	
112-15-2	2-(2-ethoxyethoxy)ethyl acetate	20-<25%
	Eye Irritation 2A, H319	
101-68-8	Diphenylmethane-4,4'-di-isocyanate	1-<3%
	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 1, H372	
	Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irritation 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	

#### Additional information:

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication 'List of Designated Hazardous Substances' or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication 'Approved Criteria for Classifying Hazardous Substances'.

## 4 First Aid Measures

### Description of first aid measures:

**General information:** Get medical advice/attention if you feel unwell.

#### After inhalation:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF INHALED: Call a doctor if you feel unwell.

**After skin contact:** Wash with plenty of soap and water.

(Contd. on page 3)

AU

**Safety Data Sheet**  
according to WHS Regulations

Printing Date: 01.12.2022

Version Number: 4.0

Revision Date: 01.12.2022

**Trade name:** *HA Safefoam NF*

(Contd. of page 2)

**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

**Information for doctor:****Most important symptoms and effects, both acute and delayed:**

May cause sensitisation by skin contact.

Irritating to eyes.

**Indication of any immediate medical attention and special treatment needed:** No further relevant information available.**5 Fire Fighting Measures****Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.**Special hazards arising from the substance or mixture:**

During heating or in case of fire poisonous gases are produced.

**Advice for firefighters:****Protective equipment:** Wear self-contained respiratory protective device.**Additional information:** Collect contaminated fire fighting water separately. It must not enter the sewage system.**6 Accidental Release Measures****Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.**Methods and material for containment and cleaning up:** Send for recovery or disposal in suitable receptacles.**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and Storage****HANDLING****Precautions for safe handling:**

Prevent formation of aerosols.

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

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original container.

Use only outdoors or in a well-ventilated area.

**Information about fire - and explosion protection:** No special measures required.

(Contd. on page 4)

AU

# Safety Data Sheet

## according to WHS Regulations

Printing Date: 01.12.2022

Version Number: 4.0

Revision Date: 01.12.2022

**Trade name: HA Safefoam NF**

(Contd. of page 3)

### Conditions for safe storage, including any incompatibilities:

#### STORAGE

##### Information about storage in one common storage facility:

Keep respiratory protective device available.

It is sensitive to moisture. It is sensitive to heat. Formation of CO<sub>2</sub> and accumulation of possible pressure. Close container tightly and store inside. A place with good ventilation.

##### Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Store in a dry place.

Keep cool.

**Specific end use(s):** No further relevant information available.

## 8 Exposure controls and personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

#### Control parameters:

##### Ingredients with limit values that require monitoring at the workplace:

###### 26447-40-5 Methylenediphenyl diisocyanate, mixture of isomers

WES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen, as -NCO
-----------------	---

###### 101-68-8 Diphenylmethane-4,4'-di-isocyanate

WES (Australia)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
WEL (Great Britain)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
PEL (USA)	Peak limitation: 0.2 mg/m <sup>3</sup> , 0.02 ppm
REL (USA)	Long-term value: 0.05 mg/m <sup>3</sup> , 0.005 ppm Peak limitation: 0.2* mg/m <sup>3</sup> , 0.02* ppm *10-min
TLV (USA)	Long-term value: 0.005 ppm

##### Ingredients with biological limit values:

###### 101-68-8 Diphenylmethane-4,4'-di-isocyanate

BMGV (Great Britain)	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine
----------------------	--

**Additional information:** Based on the lists valid at the date of SDS creation.

#### Exposure controls:

**Appropriate engineering controls** Local exhaust ventilation is recommended.

#### PERSONAL PROTECTIVE EQUIPMENT

##### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

##### Respiratory protection:

Atmospheric levels should be maintained below the occupational exposure limits. When atmospheric levels exceed those limits or are unknown, respiratory protection is required.

For hand applications, unless monitoring data confirms that respiratory protection is not necessary, use an approved half-face air purifying respirator equipped with an organic vapor sorbent filter (EU Type A, NIOSH Black, etc.) and particulate pre-filter (EU Type P2, NIOSH N95, etc.).

(Contd. on page 5)

# Safety Data Sheet according to WHS Regulations

Printing Date: 01.12.2022

Version Number: 4.0

Revision Date: 01.12.2022

Trade name: *HA Safefoam NF*

(Contd. of page 4)

Isocyanates (contained in this part and when mixed) are known as respiratory sensitisers.

For emergency response, an approved positive pressure Self Contained Breathing Apparatus (SCBA) or positive pressure air line with auxiliary self-contained air supply is recommended.

**Protection of hands:** Protective gloves.

**Material of gloves:** Rubber gloves.

**Penetration time of glove material:**

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**



Protective goggles.

**Body protection:**

Protective work clothing.

Take off contaminated clothing and wash before reuse.

## 9 Physical and Chemical Properties

### Information on basic physical and chemical properties:

#### GENERAL INFORMATION

**Appearance:**

**Form:** Liquid.  
**Colour:** Yellow.  
**Odour:** Sweet.  
**Odour threshold:** Not determined.

**pH-value (~):** Not determined.

**Change in conditions:-**

**Melting point/freezing point:** Undetermined.  
**Initial boiling point and boiling range:** Not determined.  
**Flash point:** >130 °C

**Flammability (solid, gas):** Not applicable.

**Ignition temperature:** 310 °C

**Decomposition temperature:** Not determined.  
**Auto-ignition temperature:** Not determined.  
**Explosive properties:** Product does not present an explosion hazard.

#### EXPLOSION LIMITS

**Lower:** Not determined.  
**Upper:** Not determined.

**Vapour pressure:** Not determined.  
**Density at 20 °C:** 1.1 g/cm<sup>3</sup>  
**Vapour density:** Not determined.  
**Evaporation rate:** Not determined.

**Solubility in/Miscibility with:-**  
**Water:** Not miscible or difficult to mix.

**Partition coefficient: n-octanol/water:** Not determined.

#### VISCOSITY

**Dynamic:** Not determined.  
**Kinematic:** Not determined.  
**Molecular weight** Not determined.

(Contd. on page 6)

AU

# Safety Data Sheet

## according to WHS Regulations

Printing Date: 01.12.2022

Version Number: 4.0

Revision Date: 01.12.2022

**Trade name: HA Safefoam NF**

(Contd. of page 5)

**Other information:**

No further relevant information available.

## 10 Stability and Reactivity

**Reactivity:**

Stable under normal conditions.

No further relevant information available.

**Chemical stability:**
**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions**

Reacts with acids, alkalis and oxidising agents.

Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols, acids, strong bases and amines. Risk of exothermic reaction.

**Conditions to avoid:** Avoid moisture.

**Incompatible materials:** Water, acid, strong basis and amines.

**Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

Hazardous decomposition products formed under fire conditions; carbon monoxide, carbon dioxide, nitrogen oxides.

## 11 Toxicological Information

**Information on toxicological effects:**
**ACUTE TOXICITY**
**LD/LC50 values relevant for classification:**
**101-68-8 Diphenylmethane-4,4'-di-isocyanate**

Oral	LD50	>10,000 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)
Inhalative	LC50, 4h	0.368 mg/l (rat)
	LC50, 1h	>2.24 mg/l (rat)

**Primary irritant effect**
**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye irritation.

**Inhalation:**

Harmful if inhaled.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause respiratory irritation.

**Respiratory or skin sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Sensitisation possible through skin contact.

**Additional toxicological information:** Suspected of causing cancer.

**GHS Health Hazards :**
**Carcinogenicity:** Category 2 - Suspected of causing cancer.

**Other information :**

The product was classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

 (Contd. on page 7)
 .AU

# Safety Data Sheet according to WHS Regulations

Printing Date: 01.12.2022

Version Number: 4.0

Revision Date: 01.12.2022

Trade name: *HA Safefoam NF*

(Contd. of page 6)

## 12 Ecological Information

### Toxicity:

AQUATIC TOXICITY No further relevant information available.

**Persistence and degradability:** No further relevant information available.

### BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

**Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.

### ADDITIONAL ECOLOGICAL INFORMATION

**General notes:** Not known to be hazardous to water.

### Results of PBT and vPvB assessment:

**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

### Waste treatment methods:

#### Recommendation:



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Refer to State Land Waste Authority for disposal considerations.

### UNCLEANED PACKAGING

**Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

### UN-Number

ADG, IMDG, IATA

Not Regulated

### UN proper shipping name

ADG, IMDG, IATA

Not Regulated

### Transport hazard class(es)

ADG, ADN, IMDG, IATA

Class

Not Regulated

### Packing group

ADG, IMDG, IATA

Not Regulated

### Environmental hazards:

Not applicable.

### Special precautions for user:

Not applicable.

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not Regulated

 AU  
(Contd. on page 8)

# Safety Data Sheet

## according to WHS Regulations

Printing Date: 01.12.2022

Version Number: 4.0

Revision Date: 01.12.2022

**Trade name: *HA Safefoam NF***

(Contd. of page 7)

### 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

See Section 2 for hazard identification.

**Australia: Priority Existing Chemicals**

None of the ingredients is listed.

**National regulations:**
**Other regulations, limitations and prohibitive regulations:** All ingredients are listed on AICS.

**Registered in the international inventory lists:** AICS (Australia)

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases:**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

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

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

**Department issuing SDS:**

EHS Department,

Asia Pacific Region

SCIP, Canlubang, Calamba City, Laguna

Philippines 4028

Tel: +63 (02) 8236-6820 to 24

**Contact:**
**The first date of preparation:** 14.03.2022

**Number of revision times and the latest revision date:** 4.0 / 01.12.2022

AU