

# SAFETY DATA SHEET

## AIR CON CLEANER

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	AIR CON CLEANER
Product number	A5162
Internal identification	A5162

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Cleaning agent.
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#### 1.3. Details of the supplier of the safety data sheet

Supplier	GARDX PROTECTION LTD UNIT 7 CLOVELLY BUSINESS PARK CLOVELLY ROAD SOUTHBOURNE, EMSWORTH HANTS PO10 8PE +44 (0)1243 376426  product@gardx.co.uk
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#### 1.4. Emergency telephone number

Emergency telephone	+44 (0) 777 8505 330 (24 hrs)
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

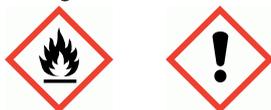
##### Classification

Physical hazards	Aerosol 1 - H222, H229
Health hazards	Eye Irrit. 2 - H319 Elicitation - EUH208
Environmental hazards	Not Classified

Classification (67/548/EEC or 1999/45/EC) F+;R12.

#### 2.2. Label elements

##### Pictogram



Signal word Danger

Hazard statements  
EUH208 Contains 2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL. May produce an allergic reaction.  
H319 Causes serious eye irritation.  
H222 Extremely flammable aerosol.  
H229 Pressurised container: may burst if heated

## AIR CON CLEANER

<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
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<b>Detergent labelling</b>	5 - < 15% aliphatic hydrocarbons,< 5% non-ionic surfactants,< 5% EDTA and salts thereof,< 5% perfumes,Contains preservation agents,Contains preservation agents
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### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>HYDROCARBON PROPELLANT</b>			<b>10-30%</b>
CAS number: 68476-85-7	EC number: 270-704-2		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Flam. Gas 1 - H220	F+;R12.		
Press. Gas, Liquefied - H280			
<b>PROPAN-2-OL</b>			<b>5-10%</b>
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-xxxx	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Flam. Liq. 2 - H225	F;R11 Xi;R36 R67		
Eye Irrit. 2 - H319			
STOT SE 3 - H336			
<b>2-BUTOXYETHANOL</b>			<b>1-5%</b>
CAS number: 111-76-2	EC number: 203-905-0	REACH registration number: 01-2119475108-36-XXXX	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Acute Tox. 4 - H302	Xn;R20/21/22 Xi;R36/38		
Acute Tox. 4 - H312			
Acute Tox. 4 - H332			
Skin Irrit. 2 - H315			
Eye Irrit. 2 - H319			

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<b>ALCOHOL ETHOXYLATE</b> CAS number: 68131-39-5 M factor (Acute) = 1	<b>&lt;1%</b>
<b>Classification</b> Eye Dam. 1 - H318 Aquatic Acute 1 - H400	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41. N;R50.
<b>2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL</b>	<b>&lt;1%</b>
CAS number: 4719-04-4                      EC number: 225-208-0                      REACH registration number: 01-2119529226-41-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 2 - H330 Skin Sens. 1 - H317 STOT RE 1 - H372	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22 R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Rinse with water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Product has a defatting effect on skin.
<b>Eye contact</b>	Causes serious eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Extremely flammable aerosol. Pressurised container: may burst if heated
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## AIR CON CLEANER

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

**Protective actions during firefighting** Use water to keep fire exposed containers cool and disperse vapours.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Absorb spillage with inert, damp, non-combustible material. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep out of the reach of children. Keep away from heat, sparks and open flame. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Do not pierce or burn, even after use. Do not expose to temperatures exceeding 50°C/122°F. Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from heat, sparks and open flame. Store at temperatures between 4°C and 40°C. Do not expose to temperatures exceeding 50°C/122°F.

**Storage class** Flammable compressed gas storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

**HYDROCARBON PROPELLANT**

## AIR CON CLEANER

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>

### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

### 2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

### PROPAN-2-OL (CAS: 67-63-0)

<b>DNEL</b>	Industry - Dermal; Long term systemic effects: 888 mg/kg/day
	Industry - Inhalation; Long term systemic effects: 500 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
	Consumer - Oral; Long term systemic effects: 26 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 89 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 140.9 mg/l
	- Marine water; 140.9 mg/l
	- Intermittent release; 140.9 mg/l
	- Sediment (Freshwater); 552 mg/kg
	- Sediment (Marinewater); 552 mg/kg
	- STP; 2251 mg/l
- Soil; 28 mg/kg	

### 2-BUTOXYETHANOL (CAS: 111-76-2)

<b>DNEL</b>	Industry - Dermal; Short term systemic effects: 89 mg/kg/day
	Industry - Inhalation; Short term systemic effects: 663 mg/m <sup>3</sup>
	Industry - Dermal; Long term systemic effects: 75 mg/kg/day
	Industry - Inhalation; Long term systemic effects: 98 mg/m <sup>3</sup>
	Consumer - Dermal; Short term systemic effects: 44.5 mg/kg
	Consumer - Inhalation; Short term systemic effects: 426 mg/m <sup>3</sup>
	Consumer - Oral; Short term systemic effects: 13.4 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 38 mg/kg
	Consumer - Oral; Long term systemic effects: 3.2 mg/kg
	Consumer - Inhalation; Long term systemic effects: 49 mg/kg
	Consumer - Inhalation; local effects: 123 mg/kg
Industry - Inhalation; local effects: 246 mg/m <sup>3</sup>	
<b>PNEC</b>	- Fresh water; 8.8 mg/l
	- Marine water; 0.88 mg/l
	- Sediment (Freshwater); 34.6 mg/kg
	- Soil; 2.8 mg/kg
	- STP; 463 mg/l
- Sediment (Marinewater); 3.46	

### Tetrasodium ethylenediaminetetraacetate (CAS: 64-02-8)

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<b>DNEL</b>	Industry - Inhalation; : 2.8 mg/m <sup>3</sup> Consumer - Inhalation; : 1.7 mg/m <sup>3</sup> Consumer - Oral; : 28.0 mg/kg/day
<b>PNEC</b>	- Fresh water; 2.8 mg/l - Marine water; 0.28 mg/l - Intermittent release; 1.6 mg/l - STP; 57 mg/l - Soil; 0.95 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. For exposure up to 4 hours, wear gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

#### Hygiene measures

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Aerosol.
<b>Odour</b>	Pleasant, agreeable.
<b>pH</b>	Not applicable.
<b>Solubility(ies)</b>	Soluble in water.

#### 9.2. Other information

<b>Other information</b>	Not determined.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not determined.
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## AIR CON CLEANER

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 39,681.82

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 24,090.91

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 250.0

**Inhalation** Coughing, chest tightness, feeling of chest pressure.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Product has a defatting effect on skin.

**Eye contact** Causes serious eye irritation.

### Toxicological information on ingredients.

#### PROPAN-2-OL

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 4,700.0

**Species** Rat

**ATE oral (mg/kg)** 4,700.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 16.4

**Species** Rabbit

#### 2-BUTOXYETHANOL

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 1,746.0

**Species** Rat

**ATE oral (mg/kg)** 1,746.0

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### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>) 1,060.0  
mg/kg)

Species Rabbit

ATE dermal (mg/kg) 1,060.0

### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>)

ATE inhalation (vapours 11.0  
mg/l)

## SODIUM HYDROXIDE

### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>) 2,000.0  
mg/kg)

Species Rat

ATE oral (mg/kg)

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment.

### Ecological information on ingredients.

#### PROPAN-2-OL

**Ecotoxicity** The product is not expected to be toxic to aquatic organisms.

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

**Acute toxicity - fish** Not determined.

### Ecological information on ingredients.

#### PROPAN-2-OL

**Toxicity** Not considered toxic to fish.

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, : 9714 mg/l, Daphnia magna  
EC<sub>50</sub>, 48 hours: >100 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours, 72 hours: > 100 mg/l, Scenedesmus subspicatus  
IC<sub>50</sub>, 72 hours: >100 mg/l, Algae

#### 2-BUTOXYETHANOL

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 820 - 1490 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 835 - 1550 mg/l, Daphnia magna

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**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 1840 mg/l, Algae

### SODIUM HYDROXIDE

**Acute toxicity - fish** LC<sub>50</sub>, 48 hours, 48 hours: ~ 145 mg/l, Poecilia reticulata (Guppy)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours, 48 hours: ~ 76 mg/l, Daphnia magna  
REACH dossier information.

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

### Ecological information on ingredients.

#### PROPAN-2-OL

**Persistence and degradability** The product is readily biodegradable.

#### 2-BUTOXYETHANOL

**Persistence and degradability** The product is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### Ecological information on ingredients.

#### PROPAN-2-OL

**Bioaccumulative potential** The product is not bioaccumulating.

#### 2-BUTOXYETHANOL

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### Ecological information on ingredients.

#### PROPAN-2-OL

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

#### PROPAN-2-OL

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

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### 2-BUTOXYETHANOL

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### 12.6. Other adverse effects

**Other adverse effects** Not determined.

#### Ecological information on ingredients.

### PROPAN-2-OL

**Other adverse effects** Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 1950

**UN No. (IMDG)** 1950

**UN No. (ICAO)** 1950

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** AEROSOLS

**Proper shipping name (IMDG)** AEROSOLS

**Proper shipping name (ICAO)** AEROSOLS

#### 14.3. Transport hazard class(es)

**ADR/RID class** 2

**IMDG class** 2

**ICAO class/division** 2

#### **Transport labels**



#### 14.4. Packing group

**ADR/RID packing group** 5F

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### 14.6. Special precautions for user

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Tunnel restriction code (D)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended).
<b>EU legislation</b>	Commission Regulation (EU) No 453/2010 of 20 May 2010. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	14/09/2015
<b>Revision</b>	1.5
<b>Supersedes date</b>	19/06/2013
<b>SDS number</b>	17644
<b>Risk phrases in full</b>	R11 Highly flammable. R12 Extremely flammable. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R22 Harmful if swallowed. R35 Causes severe burns. R36 Irritating to eyes. R36/38 Irritating to eyes and skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms. R67 Vapours may cause drowsiness and dizziness.

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### Hazard statements in full

EUH208 Contains 2,2',2''-(HEXAHYDRO-1,3,5-TRIAZINE-1,3,5-TRIYL)TRIETHANOL. May produce an allergic reaction.

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

H229 Pressurised container: may burst if heated

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.