

## SAFETY DATA SHEET

### ONESEPT GA

Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

**Product name** ONESEPT GA

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

**Identified uses** Medical Instrument and Endoscope Disinfection

**Uses advised against** No specific uses advised against are identified. Use only for intended applications.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Kaf Grup Sađ. Hizm. İnş. San ve Tic. Ltd. Şti.  
Atakent Mahallesi 221 Sk. No:3A Rota Office A Blok Kat:14 D:82-83, 34200  
Küçükçekmece / İSTANBUL, Turkey  
www.kafgrup.com  
Tel: 90 0 212 471 4 200

**Contact person** info@kafgrup.com

##### 1.4. Emergency telephone number

**Emergency telephone** Tel: +90 0 212 471 4 200 (Working hours: 08:00-18:00)

#### SECTION 2: Hazards identification

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

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335

**Environmental hazards** Not Classified

##### 2.2. Label elements

**Hazard pictograms**



**Signal word** Danger

**Hazard statements** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.

**Precautionary statements** P261 Avoid breathing vapour/ spray.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** Glutaraldehyde

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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>Glutaraldehyde</b>	<b>&lt;3%</b>
CAS number: 111-30-8	EC number: 203-856-5
M factor (Acute) = 1	
<b>Classification</b>	
Acute Tox. 3 - H301	
Acute Tox. 2 - H330	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Resp. Sens. 1 - H334	
Skin Sens. 1A - H317	
STOT SE 3 - H335	
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Keep affected person under observation. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	It is important to remove the substance from the skin immediately. Remove contamination with soap and water or recognised skin cleansing agent. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Get medical attention if symptoms are severe or persist after washing.
<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. Do not rub eye.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	May cause sensitisation or allergic reactions in sensitive individuals. Vapour may irritate respiratory system/lungs. Difficulty in breathing. Coughing.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause irritation. May cause chemical burns in mouth, oesophagus and stomach.
<b>Skin contact</b>	May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.
<b>Eye contact</b>	Irritating to eyes. Pain. Itchiness. Irritation and redness, followed by blurred vision.

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

**Notes for the doctor** Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Foam. Dry chemicals, sand, dolomite etc. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours may form explosive mixtures with air.  
Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

**Hazardous combustion products** Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Do not touch or walk into spilled material. Avoid inhalation of vapours and spray/mists. Avoid contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. No smoking, sparks, flames or other sources of ignition near spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Dispose of waste via a licensed waste disposal contractor. Small Spillages: Absorb spillage with non-combustible, absorbent material. Place waste in labelled, sealed containers.  
Large Spillages: Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.  
See Section 11 for additional information on health hazards.  
For waste disposal, see Section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Handle all packages and containers carefully to minimise spills. Avoid the formation of mists. Use only in well-ventilated areas.
<b>Advice on general occupational hygiene</b>	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Do not eat, drink or smoke when using this product.

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

<b>Storage precautions</b>	Store away from incompatible materials (see Section 10). Store in tightly-closed, original container in a dry, cool and well-ventilated place. Use containers made of the following materials: HDPE; High-density polyethylene. Do not store near heat sources or expose to high temperatures.
<b>Storage class</b>	Chemical storage.

#### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### Glutaraldehyde

Long-term exposure limit (8-hour TWA): WEL 0.05 ppm 0.2 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 0.05 ppm 0.2 mg/m<sup>3</sup>

Sen

WEL = Workplace Exposure Limit.

Sen = Capable of causing occupational asthma.

#### Glutaraldehyde (CAS: 111-30-8)

<b>DNEL</b>	- Inhalation; Acute local effects: 0.5 mg/m <sup>3</sup> - Inhalation; Long term local effects: 0.25 mg/m <sup>3</sup>
<b>PNEC</b>	Fresh water; 0.0025 mg/l marine water; 0.00025 mg/l Soil; 0.03 mg/kg

#### 8.2. Exposure controls

##### Protective equipment



<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Eye wash facilities and emergency shower must be available when handling this product.
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<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.
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<b>Hand protection</b>	It is recommended that chemical-resistant, impervious gloves are worn. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Frequent changes are recommended. It is recommended that gloves are made of the following material: Butyl rubber. Protective gloves should have a minimum thickness of $\geq 0.7$ mm. The selected gloves should have a breakthrough time of at least $\geq 480$ min hours. Nitrile rubber. Protective gloves should have a minimum thickness of $\geq 0.4$ mm. The selected gloves should have a breakthrough time of at least $\geq 30$ min hours.
<b>Other skin and body protection</b>	May cause skin sensitisation or allergic reactions in sensitive individuals. Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Hygiene measures</b>	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	No information available.
<b>pH</b>	7,0-8,5
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	No information available.
<b>Evaporation rate</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	No information available.
<b>Relative density</b>	No information available.
<b>Density</b>	0,95-1,15 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.

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Viscosity	No information available.
Explosive properties	No information available.
Oxidising properties	No information available.

**9.2. Other information**

Other information	No information available.
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**SECTION 10: Stability and reactivity**
**10.1. Reactivity**

Reactivity	See the other subsections of this section for further details.
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**10.2. Chemical stability**

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions	No potentially hazardous reactions known.
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**10.4. Conditions to avoid**

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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**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.
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**10.6. Hazardous decomposition products**

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
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**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**

<b>Acute toxicity - oral</b>	
Notes (oral LD <sub>50</sub> )	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	6,700.0
<b>Acute toxicity - dermal</b>	
Notes (dermal LD <sub>50</sub> )	Based on available data the classification criteria are not met.
<b>Acute toxicity - inhalation</b>	
Notes (inhalation LC <sub>50</sub> )	Based on available data the classification criteria are not met.
ATE inhalation (dusts/mists mg/l)	14.0
<b>Skin corrosion/irritation</b>	
Skin corrosion/irritation	Irritating to skin.
<b>Serious eye damage/irritation</b>	
Serious eye damage/irritation	Causes serious eye irritation.
<b>Respiratory sensitisation</b>	
Respiratory sensitisation	There is evidence that the product can cause respiratory hypersensitivity.
<b>Skin sensitisation</b>	

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<b>Skin sensitisation</b>	May cause skin sensitisation or allergic reactions in sensitive individuals.
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>IARC carcinogenicity</b>	None of the ingredients are listed or exempt.
<b>Reproductive toxicity</b>	
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	
<b>STOT - single exposure</b>	STOT SE 3 - H335 May cause respiratory irritation.
<b>Target organs</b>	Respiratory system, lungs
<b>Specific target organ toxicity - repeated exposure</b>	
<b>STOT - repeated exposure</b>	Not classified as a specific target organ toxicant after repeated exposure.
<b>Aspiration hazard</b>	
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	May cause sensitisation or allergic reactions in sensitive individuals. A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.
<b>Ingestion</b>	May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation.
<b>Skin contact</b>	May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.
<b>Eye contact</b>	Irritating to eyes.
<b>Route of exposure</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target organs</b>	Respiratory system, lungs
<b>Medical considerations</b>	Skin disorders and allergies.

### Toxicological information on ingredients.

#### Glutaraldehyde

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 134.0

Species Rabbit

ATE oral (mg/kg) 134.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l) 0.28

Species Rat

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ATE inhalation (dusts/mists  
mg/l) 0.28

### SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** Based on available data the classification criteria are not met.

Ecological information on ingredients.

#### Glutaraldehyde

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 13 mg/l, *Lepomis macrochirus* (Bluegill)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hour: 14.87 mg/l, *Daphnia magna* (Water flea)

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hour: 0.61 mg/l, *Desmodium subspicatus*

#### 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

Ecological information on ingredients.

#### Glutaraldehyde

**Biodegradation** Sea water - Degradation 91: 70 day

#### 12.3. Bioaccumulative potential

**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.

#### 12.5. Results of PBT and vPvB assessment

**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** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.



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### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL 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

**National regulations** Health and Safety at Work etc. Act 1974 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
EH40/2005 Workplace exposure limits.

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
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).

**Restrictions (Annex XVII Regulation 1907/2006)** No specific restrictions on use are known for this product.

**Seveso Directive - Control of major accident hazards** Not relevant.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### **Inventories**

##### **EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

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**SECTION 16: Other information**

<b>Abbreviations and acronyms used in the safety data sheet</b>	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose). EC <sub>50</sub> : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
<b>Classification abbreviations and acronyms</b>	Eye Irrit. = Eye irritation Resp. Sens. = Respiratory sensitisation Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation STOT SE = Specific target organ toxicity-single exposure
<b>Key literature references and sources for data</b>	This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect prepared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	STOT SE 3 - H335: Skin Irrit. 2 - H315: Eye Irrit. 2 - H319: Resp. Sens. 1 - H334: Skin Sens. 1 - H317: : Calculation method.
<b>Training advice</b>	Only trained personnel should use this material.
<b>Revision comments</b>	This is the first issue.
<b>Issued by</b>	Bülent Özdemir / CRAD <a href="http://www.crad.com.tr">www.crad.com.tr</a> <a href="mailto:gbf@crad.com.tr">gbf@crad.com.tr</a>
<b>Revision date</b>	06/08/2021
<b>Revision</b>	0.1
<b>Supersedes date</b>	06/08/2021
<b>SDS number</b>	11853
<b>Hazard statements in full</b>	H301 Toxic if swallowed. H314 Causes severe skin burns and eye damage. 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. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

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.