



## SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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### ANTI BACTERIAL HAND & Hard Surface Sanitising Spray & Wipes

Revision 19

Revision date 2022-11-15

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

##### 1.1. Product identifier

Product name	ANTI BACTERIAL HAND & Hard Surface Sanitising Spray & Wipes
Product code	QAFS665

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);
Description	A carefully formulated alcohol hand sanitising spray and wipe especially useful when there is no water or washing facilities available also suitable for routine sanitising of hard surfaces i.e. toilet seats, work surfaces, keyboards etc.

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

Company	Superfine Manufacturing Ltd
Address	Orchardbank Industrial Estate Forfar Angus Scotland DD8 1TD
Web	www.superfine.co.uk
Telephone	Tel: 01307 463538
Fax	Fax: 01307 468505
Email address of the competent person	nigel@superfine.co.uk

##### 1.4. Emergency telephone number

Emergency telephone number	01307 463538 8.30am to 17.00pm  For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice)  If you are a healthcare professional with an enquiry please visit <a href="http://www.TOXBASE.org">www.TOXBASE.org</a>
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#### SECTION 2: Hazards identification

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

2.1.2. Classification - EC 1272/2008	Flam. Liq. 2: H225; Eye Irrit. 2: H319; Aquatic Chronic 3: H412;
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##### 2.2. Label elements

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## 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
<b>Precautionary Statement: Prevention</b>	P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>Precautionary Statement: Response</b>	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
<b>Precautionary Statement: Storage</b>	P403+P235 - Store in a well-ventilated place. Keep cool.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.
<b>SUPPLEMENTAL HAZARD INFORMATION</b>	Ingredients - Denatured Alcohol 70% v/v, Aqua, Glycerin, Chlorhexidine Digluconate, Cetrimonium Chloride, Isopropyl Myristate.  Contains - 70% v/v Denatured Alcohol, Cetyl Trimethyl Ammonium Chloride, 1,6-BIS(N-P-Chlorophenyl-biguanido) Hexane Digluconate.

## 2.3. Other hazards

<b>Other hazards</b>	This substance/mixture is not classified as PBT or vPvB according to current criteria. The substance/mixture does not contain substances with endocrine disrupting properties.
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## Further information

	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Glycerol (Glycerol, mist)		56-81-5	200-289-5		0.5 - 1%	
Ethanol: Ethyl Alcohol (Ethanol)		64-17-5	200-578-6	01-2119457610-43	60 - 70%	Flam. Liq. 2: H225; Eye Irrit. 2: H319;
Cetyl Trimethyl Ammonium Chloride		112-02-7	203-928-6	01-2119970558-23	0 - 0.5%	Acute Tox. 4: H302; Acute Tox. 3: H311; Skin Corr. 1B: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
1,6-BIS(N-P-CHLOROPHENYL-BIGUANIDO) HEXANE DIGLUCONATE		18472-51-0	242-354-0	01-2119946568-22	0 - 0.5%	Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
	Cetyl Trimethyl Ammonium Chloride, CAS No. 112-02-7 - M Factor (Acute) = 10, M Factor (Chronic) = 1. 1,6-BIS(N-P-Chlorophenyl-biguanido) hexane digluconate, CAS No. 18472-51-0 - M Factor (Acute) = 10, M Factor (Chronic) = 1.					

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash with water and soap as a precaution.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation	High concentration of vapour in enclosed space may cause irritation, headaches and nausea. May cause irritation to respiratory system.
Eye contact	Causes serious eye irritation.
Skin contact	May cause skin dryness and irritation. Prolonged contact may cause defatting of the skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	TREAT SYMPTOMATICALLY. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

## General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Highly flammable liquid and vapour. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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### 5.2. Special hazards arising from the substance or mixture

	Highly flammable liquid and vapour.
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### 5.3. Advice for firefighters

	Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear.
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## Further information

	In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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## SECTION 6: Accidental release measures

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

	Wear suitable protective equipment. Highly flammable liquid and vapour. Avoid sparks, flames, heat and sources of ignition.
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### 6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.
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### 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Avoid sparks, flames, heat and sources of ignition.
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### 6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.
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## SECTION 7: Handling and storage

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## 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Highly flammable liquid and vapour. Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light. Store in a well-ventilated place. Keep cool. Store in original container. Keep container tightly closed. Keep away from combustible material. Keep out of the reach of children.

## 7.3. Specific end use(s)

A carefully formulated alcohol hand sanitising spray and wipe especially useful when there is no water or washing facilities available also suitable for routine sanitising of hard surfaces i.e. toilet seats, work surfaces, keyboards etc.

## Suitable packaging

Plastic containers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure controls.

#### 8.1.1. Exposure Limit Values

Ethanol: Ethyl Alcohol (Ethanol)	WEL 8-hr limit ppm:	1000	WEL 8-hr limit mg/m3:	1920
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-
	WEL 8-hr limit mg/m3 total inhalable dust:	-	WEL 15 min limit mg/m3 total inhalable dust:	-
	WEL 8-hr limit mg/m3 total respirable dust:	-	WEL 15 min limit mg/m3 total respirable dust:	-
Glycerol (Glycerol, mist)	WEL 8-hr limit ppm:	-	WEL 8-hr limit mg/m3:	10
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m3:	-
	WEL 8-hr limit mg/m3 total inhalable dust:	-	WEL 15 min limit mg/m3 total inhalable dust:	-
	WEL 8-hr limit mg/m3 total respirable dust:	-	WEL 15 min limit mg/m3 total respirable dust:	-

DNEL: Derived no-effect level.

### Exposure Pattern - Workers

Ethanol: Ethyl Alcohol	Long-term - inhalation - Systemic effects	950 mg/m <sup>3</sup>	Long-term - dermal - Systemic effects	343 mg/kg
	Long-term - inhalation - Local effects	1900 mg/m <sup>3</sup>		
Glycerol	Long-term - inhalation - Local effects	56 mg/m <sup>3</sup>		

### Exposure Pattern - General population

Ethanol: Ethyl Alcohol	Long-term - inhalation - Systemic effects	114 mg/m <sup>3</sup>	Long-term - dermal - Systemic effects	206 mg/kg
	Long-term - inhalation - Local effects	950 mg/m <sup>3</sup>		
	Long-term - oral - Systemic effects	87 mg/kg		
Glycerol	Long-term - inhalation - Local effects	33 mg/m <sup>3</sup>		
	Long-term - oral - Systemic effects	229 mg/kg		

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## 8.2. Exposure controls

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.
<b>8.2.1. Appropriate engineering controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.
<b>Eye / face protection</b>	Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields.
<b>Skin protection - Handprotection</b>	Not normally required.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.
<b>8.2.3. Environmental exposure controls</b>	Prevent further leakage or spillage if safe to do so.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Clear
<b>Odour</b>	Alcoholic
<b>pH</b>	6.5 - 7.9
<b>Melting point</b>	No data available
<b>Initial boiling point</b>	75 - 78 °C
<b>Flash point</b>	20 °C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Relative Vapour Density</b>	No data available
<b>Density / Relative Density</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	< 25 centipoise
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	No data available

### 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Specific gravity</b>	0.882 - 0.887 g/cm <sup>3</sup>
<b>Bulk Density</b>	No data available
<b>Gas group</b>	No data available
<b>Benzene Content</b>	Not applicable.
<b>Lead content</b>	Not applicable.
<b>VOC (Volatile organic compounds)</b>	Not applicable.

#### 9.2.1. Information with regard to physical hazard classes

	No data is available on this product.
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#### 9.2.2. Other safety characteristics

	No data is available on this product.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour. Stable under normal conditions.

### 10.2. Chemical stability

Flammable liquid. Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Oxidising agents. Combustible materials.

### 10.4. Conditions to avoid

Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light.

### 10.5. Incompatible materials

Oxidising agents.

### 10.6. Hazardous decomposition products

No Hazardous decomposition products when stored and handled correctly.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes

Acute toxicity	This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).
	based on available data the classification criteria are not met. Oral ATE = >10,000 mg/kg. Dermal ATE = >10,000 mg/kg.
Skin corrosion/irritation	based on available data the classification criteria are not met.
Serious eye damage/irritation	Eye Irrit. 2: H319 - Causes serious eye irritation.
Respiratory or skin sensitisation	based on available data the classification criteria are not met.
Germ cell mutagenicity	based on available data the classification criteria are not met.
Carcinogenicity	based on available data the classification criteria are not met.
Reproductive toxicity	based on available data the classification criteria are not met.
STOT-single exposure	based on available data the classification criteria are not met.
STOT-repeated exposure	based on available data the classification criteria are not met.
Aspiration hazard	based on available data the classification criteria are not met.
Repeated or prolonged exposure	based on available data the classification criteria are not met.

### 11.1.2. Mixtures

No data available.

### 11.1.3. Hazard Information

No data available.

### 11.1.4. Toxicological Information

Ethanol: Ethyl Alcohol	Oral Rat LD50: 10470.0 mg/kg Inhalation Rat LC50/4 h: 20 mg/l	Dermal Rabbit LD50: 15800.0 mg/kg
Glycerol	Oral Rat LD50: 27,200.0 mg/kg	

### 11.2 Information on other hazards

No data is available on this product.

## SECTION 12: Ecological information

### 12.1. Toxicity

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## 12.1. Toxicity

	No data available
Ethanol: Ethyl Alcohol	NOEC / EC10 for marine or freshwater organisms 9.6000 mg/l

## 12.2. Persistence and degradability

	Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.
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## 12.3. Bioaccumulative potential

	The product is not bioaccumulating.
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## Partition coefficient

	<b>ANTI BACTERIAL HAND &amp; Hard Surface Sanitising Spray &amp; Wipes</b> Ethanol: Ethyl Alcohol -0.35 log P	No data available Glycerol -1.76 Log Pow
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## 12.4. Mobility in soil

	This product is soluble in water.
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## 12.5. Results of PBT and vPvB assessment

	This substance/mixture is not classified as PBT or vPvB according to current criteria.
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## 12.6 Endocrine disrupting properties

	No data is available on this product.
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## 12.7. Other adverse effects

	No data is available on this product.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

	Dispose of waste and residues in accordance with local authority requirements.
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## General information

	Dispose of in compliance with all local and national requirements.
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## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.
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## SECTION 14: Transport information

### Hazard pictograms

	
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### 14.1. UN number

	UN1170
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### 14.2. UN proper shipping name

	ETHYL ALCOHOL SOLUTION
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### 14.3. Transport hazard class(es)

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## 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group	II
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## 14.6. Special precautions for user

	No additional special precautions.
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## 14.7 Maritime Transport in bulk according to IMO instruments

	Not applicable.
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## ADR/RID

Hazard ID	33
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-D
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## IATA

Packing Instruction (Cargo)	364
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L

## SECTION 15: Regulatory information

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

Regulations	<p>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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).</p>
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### 15.2. Chemical safety assessment

	No information available.
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## SECTION 16: Other information

### Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>2 - Other hazards.</li> <li>2 - Further information.</li> <li>2 - SUPPLEMENTAL HAZARD INFORMATION.</li> <li>3 - 3.2. Mixtures.</li> <li>5 - 5.2. Special hazards arising from the substance or mixture.</li> <li>9 - 9.2.2. Other safety characteristics.</li> <li>9 - 9.2.1. Information with regard to physical hazard classes.</li> <li>11 - Acute toxicity.</li> <li>11 - Repeated or prolonged exposure.</li> <li>11 - 11.2 Information on other hazards.</li> <li>12 - 12.1. Toxicity.</li> <li>12 - 12.6 Endocrine disrupting properties.</li> <li>12 - 12.7. Other adverse effects.</li> <li>15 - Regulations.</li> </ul>
<b>Data sources</b>	<p>Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008, as retained and amended in UK law.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour. - Flash Point - 20 degC.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation. - Calculation Method.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. - Calculation Method.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Acute Tox. 3: H311 - Toxic in contact with skin.</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>
<b>Further information</b>	
	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.</p>