1. PRODUCT AND COMPANY IDENTIFICATION

Product name: TMCH-75-AL

Recommended use of the chemical and restrictions on use
Recommended use: polymerisation initiators

Manufacturer or supplier’s details
Company: United Initiators GmbH
Address: Dr.-Gustav-Adolph-Str. 3
82049 Pullach 09
Emergency telephone number: +49 / 89 / 74422 – 0 (24 h)
E-mail address: contact@united-in.com

2. HAZARDS IDENTIFICATION

GHS Classification
Flammable liquids: Category 3
Organic peroxides: Type C
Long-term (chronic) aquatic hazard: Category 4

GHS label elements
Hazard pictograms:
Signal word: Danger
Hazard statements:
H226 Flammable liquid and vapour.
H242 Heating may cause a fire.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements:
Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces.
No smoking.
P220 Keep/Store away from clothing/ strong acids, bases, heavy metal salts and other reducing substances /combustible materials.
P233 Keep container tightly closed.
P234 Keep only in original container.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage:
P410 Protect from sunlight.
P411 + P235 Store at temperatures not exceeding < 30 °C/ < 86 °F. Keep cool.
P420 Store away from other materials.

Disposal:
P501 Dispose of contents and container according to wastes control act.

Other hazards which do not result in classification
No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance / Mixture</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical nature</td>
<td>Organic Peroxide Liquid mixture</td>
</tr>
</tbody>
</table>

Components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common Name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide</td>
<td>di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide</td>
<td>6731-36-8</td>
<td>&gt;= 70 - &lt; 75</td>
</tr>
<tr>
<td></td>
<td>No data available</td>
<td>93685-81-5</td>
<td>&gt;= 25 - &lt; 30</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

General advice
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
Symptoms of poisoning may appear several hours later.
No artificial respiration, mouth-to-mouth or mouth to nose. Use suitable instruments/apparatus.
Call a physician immediately.

In case of eye contact
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Remove contact lenses.
5. FIREFIGHTING MEASURES

Suitable and unsuitable extinguishing media

Suitable extinguishing media:
- Water spray jet
- Alcohol-resistant foam
- Carbon dioxide (CO2)
- Dry chemical

Unsuitable extinguishing media:
- High volume water jet

Specific hazards during firefighting:
- Contact with incompatible materials or exposure to temperatures exceeding SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may auto-ignite.
- The product burns violently.
- Flash back possible over considerable distance.
- Vapours may form explosive mixtures with air.
- Cool closed containers exposed to fire with water spray.

Specific extinguishing methods:
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Do not use a solid water stream as it may scatter and spread fire.
Remove undamaged containers from fire area if it is safe to do so.
Use water spray to cool unopened containers.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
- Use personal protective equipment.
- Ensure adequate ventilation.
- Remove all sources of ignition.
- Evacuate personnel to safe areas.
- Follow safe handling advice and personal protective equipment recommendations.
- Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Never return spills in original containers for re-use.
- Treat recovered material as described in the section “Disposal considerations”.

Environmental precautions:
- Prevent product from entering drains.
- Prevent further leakage or spillage if safe to do so.
- If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:
- Contact with incompatible substances can cause decomposition at or below SADT.
- Clear spills immediately.
- Suppress (knock down) gases/vapours/mists with a water spray jet.
- To clean the floor and all objects contaminated by this material, use plenty of water.
- Soak up with inert absorbent material.
- Isolate waste and do not reuse.
- Non-sparking tools should be used.
- Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

7. HANDLING AND STORAGE

Technical measures:
- See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Advice on protection against fire and explosion:
- Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
- Keep away from heat and sources of ignition.
- Use only explosion-proof equipment.
- Keep away from combustible material.
Advice on safe handling:
- Do not swallow.
- Do not breathe vapours/dust.
- Avoid formation of aerosol.
- Take precautionary measures against static discharges.
- Never return any product to the container from which it was originally removed.
- Provide sufficient air exchange and/or exhaust in work rooms.
- Avoid confinement.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Smoking, eating and drinking should be prohibited in the application area.
- Wash thoroughly after handling.
- For personal protection see section 8.
- Protect from contamination.

Conditions for safe storage:
- Avoid impurities (e.g. rust, dust, ash), risk of decomposition.
- Electrical installations / working materials must comply with the technological safety standards.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Store in original container.
- Keep containers tightly closed in a cool, well-ventilated place.
- Store in accordance with the particular national regulations.

Materials to avoid:
- Keep away from strong acids, bases, heavy metal salts and other reducing substances.

Recommended storage temperature:
- < 30 °C

Further information on storage stability:
- No decomposition if stored normally.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters:
Contains no substances with occupational exposure limit values.

Engineering measures:
- Minimize workplace exposure concentrations.

Personal protective equipment. Among the following personal protective equipment, the PPEs which require safety certification need to be certified by KOSHA.

Respiratory protection:
- In the case of dust or aerosol formation use respirator with an approved filter.
  - Filter type: ABEK-filter

Eye protection:
- Tightly fitting safety goggles
  - Please wear suitable protective goggles. Also wear face protection if there is a splash hazard.
  - Ensure that eyewash stations and safety showers are close to the workstation location.
Hand protection

- Material: butyl-rubber
- Break through time: >= 480 min
- Glove thickness: 0.5 mm

Remarks: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Skin and body protection: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.

Hygiene measures: Keep away from food and drink. When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: liquid
- Colour: colourless
- Odour: musty
- Odour Threshold: No data available
- pH: No data available
- Melting point/range: < -25 °C
- Boiling point/boiling range: Decomposition: Decomposes below the boiling point.
- Flash point: 49 °C (Method: ISO 3679)
- Evaporation rate: No data available
- Flammability (solid, gas): Not applicable
- Upper explosion limit / Upper flammability limit: No data available
- Lower explosion limit / Lower flammability limit: No data available
- Vapour pressure: 4.02 hPa (38 °C)
Solubility(ies)
  Water solubility : No data available

Density : 0.87 g/cm³ (20 °C)

Partition coefficient: n-octanol/water : No data available

Self-Accelerating decomposition temperature (SADT) : 60 °C
  Method: UN-Test H.4
  SADT-Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction.

Viscosity
  Viscosity, dynamic : 8 mPa.s (20 °C)

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.
  Organic peroxide

Refractive index : 1.434 (20 °C)

10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions : Stable under recommended storage conditions.
  Stable under recommended storage conditions.
  Vapours may form explosive mixture with air.

Conditions to avoid : Protect from contamination.
  Contact with incompatible substances can cause decomposition at or below SADT.
  Heat, flames and sparks.
  Avoid confinement.

Incompatible materials : Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents

Hazardous decomposition products : Irritant, caustic, flammable, noxious/toxic gases and vapours can develop in the case of fire and decomposition

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : No data available
Health hazard information

Acute toxicity

**Components:**

**di-tert-butyl 3,3,5-trimethylcyclohexylidene dperoxide:**

Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 401  
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity: LC50 (Rat): > 5.6 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 436  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

Hydrocarbons, C4, 1,3-butadiene-free, polymerised., triisobutylene fraction, hydrogenated:

Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Based on data from similar materials

Skin corrosion/irritation

Causes skin irritation.

**Components:**

**di-tert-butyl 3,3,5-trimethylcyclohexylidene dperoxide:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

Hydrocarbons, C4, 1,3-butadiene-free, polymerised., triisobutylene fraction, hydrogenated:

Result: Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

**Components:**

**di-tert-butyl 3,3,5-trimethylcyclohexylidene dperoxide:**

Species: Rabbit  
Result: No eye irritation
Method: OECD Test Guideline 405

Hydrocarbons, C4, 1,3-butadiene-free, polymerised., triisobutylene fraction, hydrogenated:
Remarks: No data available

Respiratory or skin sensitisation

Components:

di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide:
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.

Carcinogenicity

Components:

di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide:
Species: Mouse
Application Route: Oral
Result: negative

Carcinogenicity - Assessment: No known effect.

Germ cell mutagenicity

Components:

di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide:
Genotoxicity in vitro: Test Type: Chromosome aberration test in vitro
Method: OECD Test Guideline 473
Result: negative

Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Test Type: In vitro mammalian cell gene mutation test
Method: OECD Test Guideline 476
Result: negative

Genotoxicity in vivo: Remarks: No data available

Germ cell mutagenicity- Assessment: No known effect.
Reproductive toxicity

Components:

**di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide:**

Effects on fertility : Remarks: No data available

Effects on foetal development : Species: Rat

Application Route: oral (gavage)

General Toxicity Maternal: NOAEL: 1,000 mg/kg body weight

Method: OECD Test Guideline 414

STOT - single exposure

May cause respiratory irritation.

STOT - repeated exposure

No data available

Repeated dose toxicity

No data available

Aspiration toxicity

Components:

Hydrocarbons, C4, 1,3-butadiene-free, polymerised., triisobutylene fraction, hydrogenated:

May be fatal if swallowed and enters airways.

Experience with human exposure

No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

Product:

Remarks : Solvents may degrease the skin.
Components:

Hydrocarbons, C4, 1,3-butadiene-free, polymerised, triisobutylene fraction, hydrogenated:
Remarks: May cause headache and dizziness.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide:

Toxicity to fish: LC50 (Brachydanio rerio (zebrafish)): > 0.043 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 1 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: No toxicity at the limit of solubility

Toxicity to algae: EC10 (Pseudokirchneriella subcapitata (green algae)): 0.11 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Daphnia magna (Water flea)): 0.0128 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
Remarks: No toxicity at the limit of solubility

Toxicity to microorganisms: EC50 (Bacteria): > 1,000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Ecotoxicology Assessment

Chronic aquatic toxicity: May cause long lasting harmful effects to aquatic life.

Hydrocarbons, C4, 1,3-butadiene-free, polymerised, triisobutylene fraction, hydrogenated:

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia (water flea)): > 0.04 mg/l
Exposure time: 48 h
Remarks: Information given is based on data obtained from similar substances.

Toxicity to algae: IC50 (algae): > 0.04 mg/l
Exposure time: 72 h
Remarks: Information given is based on data obtained from similar substances.
Ecotoxicology Assessment
Acute aquatic toxicity: This product has no known ecotoxicological effects.
Chronic aquatic toxicity: May cause long lasting harmful effects to aquatic life.

Persistence and degradability

Components:
di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide:
Biodegradability: Result: Biodegradable
Method: OECD Test Guideline 301D

Hydrocarbons, C4, 1,3-butadiene-free, polymerised, triisobutylene fraction, hydrogenated:
Biodegradability: Result: Not readily biodegradable.

Bioaccumulative potential

Components:
di-tert-butyl 3,3,5-trimethylcyclohexylidene diperoxide:
Bioaccumulation: Bioconcentration factor (BCF): 443
Partition coefficient: n-octanol/water: log Pow: 6.53

Hydrocarbons, C4, 1,3-butadiene-free, polymerised, triisobutylene fraction, hydrogenated:
Partition coefficient: n-octanol/water: Remarks: No data available

Mobility in soil
No data available

Other adverse effects

Product:
Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. May cause long lasting harmful effects to aquatic life.

13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of wastes in an approved waste disposal facility.
Contaminated packaging: Empty remaining contents.
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.  
Dispose of in accordance with local regulations.

Disposal precautions  
Dispose of contents and container according to wastes control act.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG
UN number : UN 3103  
Proper shipping name : ORGANIC PEROXIDE TYPE C, LIQUID  
(1,1-Di-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE)
Class : 5.2  
Packing group : Not assigned by regulation  
Labels : 5.2

IATA-DGR
UN/ID No. : UN 3103  
Proper shipping name : Organic peroxide type C, liquid  
(1,1-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane)
Class : 5.2  
Packing group : Not assigned by regulation  
Labels : Organic Peroxides, Keep Away From Heat  
Packing instruction (cargo aircraft) : 570  
Packing instruction (passenger aircraft) : 570

IMDG-Code
UN number : UN 3103  
Proper shipping name : ORGANIC PEROXIDE TYPE C, LIQUID  
(1,1-Di-(tert-BUTYLPEROXY)-3,3,5-TRIMETHYLCYCLOHEXANE)
Class : 5.2  
Packing group : Not assigned by regulation  
Labels : 5.2  
EmS Code : F-J, S-R  
Marine pollutant : no

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

National Regulations  
Refer to section 15 for specific national regulation.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.
15. REGULATORY INFORMATION

National regulatory information

Regulation under the Occupational Safety and Health Act
Harmful Substances Prohibited from Manufacturing
Not applicable
Harmful Substances Required Permission for Manufacture
Not applicable
Harmful Agents to be kept below Occupational Exposure Limits
Not applicable
Harmful Agents Required to be kept below Permission Levels
Not applicable
Hazardous substances requiring management
Not applicable
Controlled Substances Subject to Environment Monitoring
Not applicable
Controlled Substances Subject to Health Examination
Not applicable
Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act

Toxic Chemicals
Not applicable
Restricted Chemicals
Not applicable
Prohibited Chemicals
Not applicable
Toxic Release Inventory
Not applicable
Accident Precaution Chemicals
Not applicable

Dangerous Substances Safety Management Act
Classification: Group 4, Flammable liquids, Type 2 petroleum, Water insoluble liquid
Hazard rank: Hazardous rank III
Designated Quantity: 1000 litre
Safety Warning: Keep away from fire

Wastes Control Act
Industrial waste
Follow article 13 of the act to dispose the product waste
Other requirements in domestic and other countries

The components of this product are reported in the following inventories:

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Compliance Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>All components of this product are on the Canadian DSL</td>
</tr>
<tr>
<td>AICS</td>
<td>Not in compliance with the inventory</td>
</tr>
<tr>
<td>NZIoC</td>
<td>Not in compliance with the inventory</td>
</tr>
<tr>
<td>ENCS</td>
<td>Not in compliance with the inventory</td>
</tr>
<tr>
<td>ISHL</td>
<td>Not in compliance with the inventory</td>
</tr>
<tr>
<td>KECI</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>PICCS</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>IECSC</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>TCSI</td>
<td>On the inventory, or in compliance with the inventory</td>
</tr>
<tr>
<td>TSCA</td>
<td>Not On TSCA Inventory</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Further information

Sources of key data used to compile the Safety Data Sheet:


Issuing date: 2018/04/04

Revision number and date

- Number of Revision: 2.0
- Revision Date: 2019/02/18

Other information:

This safety datasheet only contains information relating to safety and does not replace any product information or product specification. These safety instructions also apply to empty packaging which may still contain product residues.

Date format: yyyy/mm/dd

Full text of other abbreviations
AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen, or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50% of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

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