1. IDENTIFICATION

Product identifier
Product Name
Tyvek Continuous Strip Desiccator for Test Strips (See Intended Use Sec.16)

Other means of identification
Product Code(s)
9068EO

Safety data sheet number
M02437

Recommended use of the chemical and restrictions on use
Recommended Use
Anticaking and defoaming agent.

Uses advised against
None.

Restrictions on use
None.

Details of the supplier of the safety data sheet

Manufacturer Address
Hach Company P.O.Box 389  Loveland, CO 80539 USA +1(970) 669-3050***

Emergency telephone number
+1(303) 623-5716 - 24 Hour Service  +1(515)232-2533 - 8am - 4pm CST***

2. HAZARDS IDENTIFICATION

Classification

Regulatory Status
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)***

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)***

Hazards not otherwise classified (HNOC)
Not applicable

Label elements

Hazard statements

The product contains no substances which at their given concentration, are considered to be hazardous to health***

Other Hazards Known
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
4. FIRST AID MEASURES

Description of first aid measures

General advice
No hazards which require special first aid measures. Use first aid treatment according to the nature of the injury.

Inhalation
Remove to fresh air.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact
Wash skin with soap and water.

Ingestion
Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms
See Section 11 for additional Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
No information available.

Hazardous combustion products
This material will not burn.

Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

6. ACCIDENTAL RELEASE MEASURES

U.S. Notice
Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(vi)) and per your company’s emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations
should respond to a spill involving chemicals.

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
Ensure adequate ventilation.

**Environmental precautions**
See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment**
Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**
Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards**
Clean contaminated objects and areas thoroughly observing environmental regulations.

**Reference to other sections**
See section 8 for more information. See section 13 for more information.

---

### 7. HANDLING AND STORAGE

**Precautions for safe handling**
Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**
Keep containers tightly closed in a dry, cool and well-ventilated place.

**Flammability class**
Not applicable

---

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Controls**
Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Respiratory protection**
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hand Protection**
Wear suitable gloves.

**Eye/face protection**
Wear safety glasses with side shields (or goggles).

**Skin and body protection**
No special protective equipment required.

**General Hygiene Considerations**
Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls
Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

Thermal hazards
None under normal processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular weight</td>
<td>60 g/mole</td>
<td>***</td>
</tr>
<tr>
<td>pH</td>
<td>3.5 - 8.5</td>
<td>***</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>1710*** °C / 3110*** °F</td>
<td>***</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>2230*** °C / 4046*** °F</td>
<td>***</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable***</td>
<td>***</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable***</td>
<td>***</td>
</tr>
<tr>
<td>Vapor density (air = 1)</td>
<td>Not applicable***</td>
<td>***</td>
</tr>
<tr>
<td>Specific gravity (water = 1 / air = 1)</td>
<td>2.1</td>
<td>***</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>log K&lt;sub&gt;ow&lt;/sub&gt; ~ 0***</td>
<td>***</td>
</tr>
<tr>
<td>Soil Organic Carbon-Water Partition Coefficient</td>
<td>log K&lt;sub&gt;oc&lt;/sub&gt; ~ 0***</td>
<td>***</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>***</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>***</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>Not applicable***</td>
<td>***</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>Not applicable***</td>
<td>***</td>
</tr>
</tbody>
</table>

Solubility(ies)

Water solubility

<table>
<thead>
<tr>
<th>Water solubility classification</th>
<th>Water solubility</th>
<th>Water Solubility Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insoluble</td>
<td>&lt; 0.1 mg/L***</td>
<td>25 °C*** / 77 °F***</td>
</tr>
</tbody>
</table>

Solubility in other solvents

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Solubility classification</th>
<th>Solubility</th>
<th>Solubility Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrofluoric Acid</td>
<td>Soluble</td>
<td>&gt; 1000 mg/L***</td>
<td>25 °C*** / 77 °F***</td>
</tr>
</tbody>
</table>

Other Information

Metal Corrosivity

<table>
<thead>
<tr>
<th>Steel Corrosion Rate</th>
<th>Aluminum Corrosion Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable***</td>
<td>Not applicable***</td>
</tr>
</tbody>
</table>

Volatile Organic Compounds (VOC) Content

This Product is by Weight 100% an Individual Pure Chemical Substance***

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Volatile organic compounds (VOC) content</th>
<th>CAA (Clean Air Act)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica gel***</td>
<td>63231-67-4</td>
<td>No data available</td>
<td>-</td>
</tr>
</tbody>
</table>
Explosive properties

Upper explosion limit
No data available

Lower explosion limit
No data available

Flammable properties

Flash point
Not applicable***

Method
No information available

Flammability Limit in Air

Upper flammability limit:
No data available

Lower flammability limit:
No data available

Oxidizing properties
No data available.

Bulk density
No data available

Particle Size
No information available

Particle Size Distribution
No information available

10. STABILITY AND REACTIVITY

Reactivity
Not applicable.

Chemical stability
Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact
None

Sensitivity to Static Discharge
None.

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions
None under normal processing.

Hazardous polymerization
None under normal processing.

Conditions to avoid

Conditions to avoid
None known based on information supplied.

Incompatible materials

Incompatible materials
Strong oxidizing agents, strong acids, and strong bases.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation
No known effect based on information supplied.

Eye contact
No known effect based on information supplied.
Skin contact
No known effect based on information supplied.

Ingestion
No known effect based on information supplied.

Symptoms
No information available.

Aggravated Medical Conditions
None known.

Toxicologically synergistic products
None known.

Toxicokinetics, metabolism and distribution
This Product is by Weight 100% an Individual Pure Chemical Substance.***

Product Acute Toxicity Data
This Product is by Weight 100% an Individual Pure Chemical Substance.***

Oral Exposure Route
If available, see ingredient data below***

Dermal Exposure Route
If available, see ingredient data below***

Inhalation (Dust/Mist) Exposure Route
If available, see ingredient data below***

Inhalation (Vapor) Exposure Route
If available, see ingredient data below***

Inhalation (Gas) Exposure Route
If available, see ingredient data below***

Unknown Acute Toxicity
0% of the mixture consists of ingredient(s) of unknown toxicity.***

Acute Toxicity Estimations (ATE)
Not applicable***

<table>
<thead>
<tr>
<th>ATEmix (oral)</th>
<th>No information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEmix (dermal)</td>
<td>No information available</td>
</tr>
<tr>
<td>ATEmix (inhalation-dust/mist)</td>
<td>No information available</td>
</tr>
<tr>
<td>ATEmix (inhalation-vapor)</td>
<td>No information available</td>
</tr>
<tr>
<td>ATEmix (inhalation-gas)</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Ingredient Acute Toxicity Data
Oral Exposure Route
If available, see data below

Dermal Exposure Route
If available, see data below

Inhalation (Dust/Mist) Exposure Route
If available, see data below

Inhalation (Vapor) Exposure Route
If available, see data below

Inhalation (Gas) Exposure Route
If available, see data below

Product Specific Target Organ Toxicity Single Exposure Data
Oral Exposure Route
If available, see ingredient data below***

Dermal Exposure Route
If available, see ingredient data below***

Inhalation (Dust/Mist) Exposure Route
If available, see ingredient data below***

Inhalation (Vapor) Exposure Route
If available, see ingredient data below***

Inhalation (Gas) Exposure Route
If available, see ingredient data below***

Ingredient Specific Target Organ Toxicity Single Exposure Data
Oral Exposure Route
If available, see data below

Dermal Exposure Route
If available, see data below

Inhalation (Dust/Mist) Exposure Route
If available, see data below

Inhalation (Vapor) Exposure Route
If available, see data below

Inhalation (Gas) Exposure Route
If available, see data below

Aspiration toxicity
If available, see data below***

Kinematic viscosity
Not applicable***

Product Skin Corrosion/Irritation Data
This Product is by Weight 100% an Individual Pure Chemical Substance. If available, see ingredient data below.***
Ingredient Skin Corrosion/Irritation Data
If available, see data below

Product Serious Eye Damage/Eye Irritation Data
This Product is by Weight 100% an Individual Pure Chemical Substance. If available, see ingredient data below.***

Ingredient Eye Damage/Eye Irritation Data
No data available

Sensitization Information

Product Sensitization Data
Skin Sensitization Exposure Route
If available, see ingredient data below.***
Respiratory Sensitization Exposure Route
If available, see ingredient data below.***

Ingredient Sensitization Data
Skin Sensitization Exposure Route
If available, see data below.
Respiratory Sensitization Exposure Route
If available, see data below.

Chronic Toxicity Information

Product Specific Target Organ Toxicity Repeat Dose Data
Oral Exposure Route
If available, see ingredient data below.***
Dermal Exposure Route
If available, see ingredient data below.***
Inhalation (Dust/Mist) Exposure Route
If available, see ingredient data below.***
Inhalation (Vapor) Exposure Route
If available, see ingredient data below.***
Inhalation (Gas) Exposure Route
If available, see ingredient data below.***

Ingredient Specific Target Organ Toxicity Repeat Exposure Data
Oral Exposure Route
If available, see data below
Dermal Exposure Route
If available, see data below
Inhalation (Dust/Mist) Exposure Route
If available, see data below
Inhalation (Vapor) Exposure Route
If available, see data below
Inhalation (Gas) Exposure Route
If available, see data below

Product Carcinogenicity Data
Oral Exposure Route
If available, see ingredient data below***
Dermal Exposure Route
If available, see ingredient data below***
Inhalation (Dust/Mist) Exposure Route
If available, see ingredient data below***
Inhalation (Vapor) Exposure Route
If available, see ingredient data below***
Inhalation (Gas) Exposure Route
If available, see ingredient data below***

Ingredient Carcinogenicity Data

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica gel***</td>
<td>63231-67-4</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Legend

ACGIH (American Conference of Governmental Industrial Hygienists) Does not apply
IARC (International Agency for Research on Cancer) Does not apply
NTP (National Toxicology Program) Does not apply
OSHA (Occupational Safety and Health Administration of the US Department of Labor) Does not apply

Oral Exposure Route
If available, see data below
Dermal Exposure Route
If available, see data below
Inhalation (Dust/Mist) Exposure Route
If available, see data below
12. ECOLOGICAL INFORMATION

Ecotoxicity

Not considered to be harmful to aquatic life

Aquatic toxicity

Fish

If available, see ingredient data below***

Crustacea

If available, see ingredient data below***

Algae

If available, see ingredient data below***

Ingredient Ecological Data

Aquatic toxicity

Fish

No data available

Crustacea

No data available

Algae

No data available

Other Information

Persistence and degradability
Product Biodegradability Data
This Product is by Weight 100% an Individual Pure Chemical Substance.***

Ingredient Biodegradability Data

Bioaccumulation

Product Bioaccumulation Data
This Product is by Weight 100% an Individual Pure Chemical Substance.***

Partition Coefficient (n-octanol/water) \( \log K_{ow} \sim 0 *** \)

Ingredient Bioaccumulation Data

Mobility

Soil Organic Carbon-Water Partition Coefficient \( \log K_{oc} \sim 0 *** \)

Water solubility

<table>
<thead>
<tr>
<th>Water solubility classification</th>
<th>Water solubility</th>
<th>Water Solubility Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insoluble</td>
<td>&lt; 0.1 mg/L ***</td>
<td>25 °C *** 77 °F ***</td>
</tr>
</tbody>
</table>

Other adverse effects
No information available.

### 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products
Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging
Do not reuse empty containers.

Special instructions for disposal
If permitted by regulation. Place material in a plastic bag. Mark bag 'Non-hazardous trash', and dispose of as normal refuse.

### 14. TRANSPORT INFORMATION

U.S. DOT
Not regulated

TDG
Not regulated

IATA
Not regulated

IMDG
Not regulated

Additional information
There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies.
If the item is part of a reagent set or kit the classification would change to the following:
UN3316 Chemical Kit, Hazard Class 9, Packing Group II or III.
If the item is not regulated, the Chemical Kit classification does not apply.

15. REGULATORY INFORMATION

National Inventories
TSCA Complies
DSL/NDSL Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

International Inventories
EINECS/ELINCS Complies
ENCS Complies
IECSC Complies
KECL Complies
PICCS Complies
TCSI Complies
AICS Complies
NZIoC Complies

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
TCSI - Taiwan Chemical Substances Inventory
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>SARA 311/312</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>No</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material
US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica gel***</td>
<td>-</td>
<td>X***</td>
<td>X***</td>
</tr>
</tbody>
</table>

63231-67-4

U.S. EPA Label Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>FIFRA</th>
<th>FDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica gel***</td>
<td>180.0950***</td>
<td>-</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Special Comments
None

Additional information

Global Automotive Declarable Substance List (GADSL)
Not applicable

NFPA and HMIS Classifications

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards - 0***</th>
<th>Flammability - 0</th>
<th>Instability - 0</th>
<th>Physical and Chemical Properties -</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>Health hazards - 0***</td>
<td>Flammability - 0</td>
<td>Physical Hazards - 0</td>
<td>Personal protection - X</td>
</tr>
</tbody>
</table>

- See section 8 for more information

Key or legend to abbreviations and acronyms used in the safety data sheet

NIOSH IDLH  Immediately Dangerous to Life or Health
ACGIH  ACGIH (American Conference of Governmental Industrial Hygienists)
NDF  no data

Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA  TWA (time-weighted average)
STEL (Short Term Exposure Limit)
MAC  Maximum Allowable Concentration
Ceiling Limit Value
X  Listed
Vacated

These values have no official status. The only binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state regulations.

SKN*  Skin designation
SKN+  Skin sensitization
Prepared By: Hach Product Compliance Department

Issue Date: 23-Jan-2018***
Revision Date: 15-Feb-2018
Revision Note: None

Disclaimer

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

HACH COMPANY © 2018

End of Safety Data Sheet