

# SAFETY DATA SHEET



## Vazo™ 52G

Version 11.1	Revision Date: 2025/05/07	SDS Number (Internal): 1331755-00049	MSDS number: AA00152-0000030497 Date of last issue: 2024/11/13 Date of first issue: 2017/02/27
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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Vazo™ 52G

SDS-Identcode : 130000030497

#### Recommended use of the chemical and restrictions on use

Recommended use : Intermediate  
Intermediate

Restrictions on use : For industrial use only.  
For industrial use only.

#### Manufacturer or supplier's details

Company : Chemours Korea Inc.

Address : 12FL, Majestarcity Tower 1, 12, Seocho-daero 38-gil, Seocho-gu, Seoul 06655, Korea

Telephone : 82-2-2015-5000

Emergency telephone number : 080-880-0454

Telefax : 82-2-2015-5091

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Self-reactive substances and mixtures : Type D

Skin sensitisation : Category 1A

Long-term (chronic) aquatic hazard : Category 2

#### GHS label elements

Hazard pictograms :   

Signal word : Danger

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Hazard statements : H242 Heating may cause a fire.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P234 Keep only in original packaging.  
P235 Keep cool.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.  
P391 Collect spillage.

**Storage:**  
P403 Store in a well-ventilated place.  
P411 Store at temperatures not exceeding 10 °C/ 50 °F.

**Disposal:**  
P501 Dispose of contents/ container according to waste-related laws

### Other hazards which do not result in classification

Risk of explosion if heated under confinement.  
Dust contact with the eyes can lead to mechanical irritation.  
Contact with dust can cause mechanical irritation or drying of the skin.  
May form explosive dust-air mixture.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

### Components

Chemical name	Common Name	CAS-No.	Concentration (% w/w)
2,2'-Azodi[2,4-Dimethylvaleronitrile]	No data available	4419-11-8	>= 90 - <= 100

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### 4. FIRST AID MEASURES

General advice	: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
In case of eye contact	: If in eyes, rinse well with water. Get medical attention if irritation develops and persists.
In case of skin contact	: In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
If inhaled	: If inhaled, remove to fresh air. Get medical attention if symptoms occur.
If swallowed	: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	: Skin contact may provoke the following symptoms: Discomfort Itching Redness Swelling of tissue Eye contact may provoke the following symptoms Irritation tearing Redness Discomfort Ingestion may provoke the following symptoms: Gastrointestinal disturbance Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. May cause an allergic skin reaction.
Protection of first-aiders	: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	: Treat symptomatically and supportively.

### 5. FIREFIGHTING MEASURES

#### Suitable and unsuitable extinguishing media

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Suitable extinguishing media : Water spray  
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  
Do not use a solid water stream as it may scatter and spread fire.  
The product burns violently.  
Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.  
Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Clear spills immediately.  
Take any precaution to avoid mixing with combustibles.  
Soak up with inert absorbent material.  
Remove mechanically and with care (e.g. with clean polyethylene plastic shovel).  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces

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with compressed air).  
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.  
Isolate waste and do not reuse.  
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.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### 7. HANDLING AND STORAGE

- Technical measures : Static electricity may accumulate and ignite suspended dust causing an explosion.  
Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
- Local/Total ventilation : Use only with adequate ventilation.  
If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.
- Advice on safe handling : Do not breathe decomposition products.
- Do not get on skin or clothing.  
Avoid breathing dust, fume, gas, mist, vapours or spray.  
Do not swallow.  
Avoid contact with eyes.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Non-sparking tools should be used.  
Prevent pressure build-up  
Protect from contamination.  
Minimize dust generation and accumulation.  
Keep container closed when not in use.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take precautionary measures against static discharges.  
Keep only in original packaging.  
Take care to prevent spills, waste and minimize release to the environment.
- Conditions for safe storage : Keep in properly labelled containers.  
Keep in a dry, cool and well-ventilated place.  
Protect from sunlight.  
Adhere to recommended storage temperature.  
Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

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Store in original container.

Materials to avoid : Do not store with the following product types:  
Oxidizing solids  
Spontaneously combustible substances and water- reactive materials  
Oxidizing liquids

Recommended storage temperature : < 10 °C

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2,2'-Azodi[2,4-Dimethylvaleronitrile]	4419-11-8	TWA	5 mg/m3 (Cyanide)	KR OEL
Further information: Substances designated by 'Skin' may be absorbed into the bloodstream through the skin, mucous membrane and eye and contribute to the overall effect. (Skin notation does not apply to the skin irritant)				

Other ingredients, which are listed in section 3 but not listed in this section, do not have established occupational exposure limit values.

#### Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hydrogen cyanide	74-90-8	C	4.7 ppm	KR OEL
Further information: Substances designated by 'Skin' may be absorbed into the bloodstream through the skin, mucous membrane and eye and contribute to the overall effect. (Skin notation does not apply to the skin irritant)				
		C	4.7 ppm (Cyanide)	ACGIH
Carbon monoxide	630-08-0	TWA	30 ppm	KR OEL
Further information: Known human reproductive toxicant				
		STEL	200 ppm	KR OEL
Further information: Known human reproductive toxicant				
		TWA	30 ppm	KR PEL
		STEL	200 ppm	KR PEL
		TWA	25 ppm	ACGIH
Carbon dioxide	124-38-9	TWA	5,000 ppm	KR OEL

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		STEL	30,000 ppm	KR OEL
		TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH

**Engineering measures** : Processing may form hazardous compounds (see section 10).  
Ensure adequate ventilation, especially in confined areas.  
Minimize workplace exposure concentrations.  
Apply measures to prevent dust explosions.  
Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).  
If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventilation.

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

**Respiratory protection** : Use respiratory protection (air supplied respirator) unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

**Filter type** : Self-contained breathing apparatus

**Eye protection** : Wear the following personal protective equipment:  
Safety goggles

**Hand protection**

**Material** : Chemical-resistant gloves

**Remarks** : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! 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.  
Wear the following personal protective equipment:  
If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.  
Skin contact must be avoided by using impervious protective

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clothing (gloves, aprons, boots, etc).

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.  
When using do not eat, drink or smoke.  
Contaminated work clothing should not be allowed out of the workplace.  
Wash contaminated clothing before re-use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: solid
Colour	: white
Odour	: odourless
Odour Threshold	: No data available
pH	: 7
Melting point/freezing point	: > 50 °C Do not attempt to verify melting point; decomposition can be violent.
Initial boiling point and boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: 0 (Butyl Acetate=1.0)
Flammability (solid, gas)	: May form explosive dust-air mixture.
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: 0.03 %(V)
Vapour pressure	: Not applicable
Bulk density	: 400 kg/m <sup>3</sup>
Solubility(ies)	



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Water solubility	: >= 0.00937 g/l (20 °C)
Relative vapour density	: Not applicable
Relative density	: 0.969
Partition coefficient: n-octanol/water	: log Pow: 3.319 (20 °C)
Auto-ignition temperature	: 225 °C
Decomposition temperature	: The product is a self-reactive substance or mixture classified as type D.
Self-Accelerating decomposition temperature (SADT)	: 25 °C
Viscosity	
Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: No data available
Particle characteristics	
Particle size	: No data available

### 10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions	: Reactivity: Heating may cause a fire. Chemical stability: Follow precautionary advice and avoid incompatible materials and conditions Possibility of hazardous reactions: May form explosive dust-air mixture. Oxidizing material can cause a reaction. Hazardous decomposition products will be formed at elevated temperatures. May explode under confinement.
Conditions to avoid	: Heat, flames and sparks. Protect from contamination. Avoid dust formation. Temperatures greater than recommended storage temperature. Contact with incompatible substances can cause decomposi-

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tion at or below SADT.

Incompatible materials : Oxidizing agents  
Avoid impurities (e.g. rust, dust, ash), risk of decomposition.  
Flammable materials

### Hazardous decomposition products

Thermal decomposition : Hydrogen cyanide  
Nitrogen  
Carbon monoxide  
Carbon dioxide

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## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation  
Skin contact  
Ingestion  
Eye contact

### Health hazard information

#### Acute toxicity

No data available

#### Components:

##### 2,2'-Azodi[2,4-Dimethylvaleronitrile]:

Acute oral toxicity : LD50 (Mouse): > 6,000 mg/kg  
Method: Expert judgement

Acute inhalation toxicity : Approximate Lethal Concentration (Rat): 9.3 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

### Skin corrosion/irritation

No data available

#### Components:

##### 2,2'-Azodi[2,4-Dimethylvaleronitrile]:

Species : Tissue Culture  
Method : OECD Test Guideline 439  
Result : No skin irritation

### Serious eye damage/eye irritation

No data available

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### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

Species	:	Bovine cornea
Result	:	No eye irritation
Method	:	OECD Test Guideline 437

Species	:	Not tested on animals
Result	:	No eye irritation
Method	:	OECD Test Guideline 492

### **Respiratory or skin sensitisation**

#### **Respiratory sensitisation**

No data available

#### **Skin sensitisation**

May cause an allergic skin reaction.

### Product:

Assessment	:	Probability or evidence of high skin sensitisation rate in humans
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### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

Test Type	:	Direct Peptide Reactivity Assay (DPRA)
Exposure routes	:	Skin contact
Species	:	Not tested on animals
Method	:	OECD Test Guideline 442C
Result	:	positive

Test Type	:	KeratinoSens assay
Exposure routes	:	Skin contact
Species	:	Tissue Culture
Method	:	OECD Test Guideline 442D
Result	:	positive

Assessment	:	Probability or evidence of high skin sensitisation rate in humans
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### **Carcinogenicity**

No data available

### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

No data available

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### Germ cell mutagenicity

No data available

#### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

No data available

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative  Test Type: in vitro micronucleus test Method: OECD Test Guideline 487 Result: negative
Germ cell mutagenicity- Assessment	:	Weight of evidence does not support classification as a germ cell mutagen.

### Reproductive toxicity

No data available

#### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

No data available

Effects on fertility	:	Test Type: Reproduction/Developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 Result: negative
Effects on foetal development	:	Test Type: Reproduction/Developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 422 Result: negative
Reproductive toxicity - Assessment	:	Weight of evidence does not support classification for reproductive toxicity

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

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### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

Exposure routes	: Ingestion
Assessment	: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

### **Repeated dose toxicity**

### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

Species	: Rat, male and female
NOAEL	: 250 mg/kg
LOAEL	: > 250 mg/kg
Application Route	: Ingestion
Exposure time	: 8 Weeks
Method	: OECD Test Guideline 422

### **Aspiration toxicity**

No data available

### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

No aspiration toxicity classification

### **Experience with human exposure**

No data available

### **Toxicology, Metabolism, Distribution**

No data available

### **Neurological effects**

No data available

### **Further information**

No data available

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## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

### Components:

#### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

Toxicity to fish	: LC50 (Danio rerio (zebra fish)): 2.11 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.17 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 1.48 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 1.19 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### Persistence and degradability

#### Components:

##### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

Biodegradability : Result: Not readily biodegradable.  
Method: OECD Test Guideline 301B

### Bioaccumulative potential

#### Components:

##### **2,2'-Azodi[2,4-Dimethylvaleronitrile]:**

Partition coefficient: n-octanol/water : log Pow: 3.319 (25 °C)

### Mobility in soil

No data available

### Other adverse effects

No data available

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of contents and container according to wastes control act.

Do not dispose of waste into sewer.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

### Disposal precautions

Dispose of contents and container according to wastes control act.

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### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : UN 3236  
Proper shipping name : SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED (2,2'-AZODI(2,4-DIMETHYL-VALERONITRILE))  
Class : 4.1  
Packing group : Not assigned by regulation  
Labels : 4.1  
Environmentally hazardous : no

##### IATA-DGR

Not permitted for transport

##### IMDG-Code

UN number : UN 3236  
Proper shipping name : SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED (2,2'-AZODI(2,4-DIMETHYLVALERONITRILE)) (2,2'-Azodi[2,4-Dimethylvaleronitrile])  
Class : 4.1  
Packing group : Not assigned by regulation  
Labels : 4.1  
EmS Code : F-F, S-K  
Marine pollutant : yes

#### 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

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### Harmful Agents to be kept below Occupational Exposure Limits

Chemical name	CAS-No.
Cyanides	4419-11-8

### Harmful Agents Required to be kept below Permission Levels

Not applicable

### Hazardous substances requiring management

Not applicable

### Special Management Materials

Not applicable

### Controlled Substances Subject to Environment Monitoring

Not applicable

### Controlled Substances Subject to Health Examination

Not applicable

### Hazardous Substances Subject to Process Safety Management (PSM) Reporting Obligation

Not applicable

### K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 1)

Not applicable

### K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 9)

Not applicable

### Regulation under the 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 5, Self-reactive substances, Azo compounds

Hazard rank : 2nd self-reactive materials

Designated Quantity : 100 kilogram

Safety Warning : Be careful with shock, Keep away from fire



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### Wastes Control Act

Industrial general wastes

Follow article 13 of the act to dispose the product waste

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## 16. OTHER INFORMATION

Other information : Vazo™ and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC.  
Chemours™ and the Chemours Logo are trademarks of The Chemours Company.  
Before use read Chemours safety information.  
For further information contact the local Chemours office or nominated distributors.

### Further information

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Issuing date : 2017/02/27

### Revision number and date

Number of Revision : 48

Revision Date : 2025/05/07

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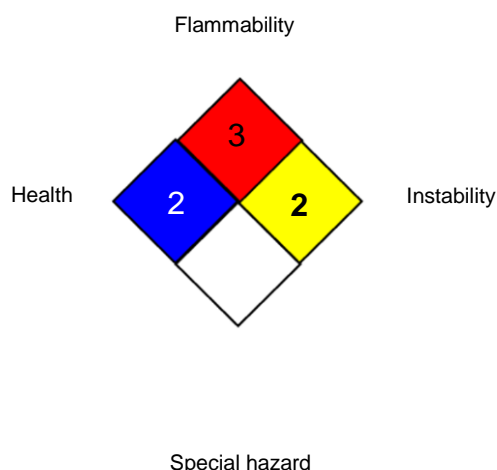


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Date format : yyyy/mm/dd

### NFPA:



### Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
KR OEL	: Harmful Agents to be kept below Occupational Exposure Limits
KR PEL	: Harmful Agents Required to be kept below Permission Levels
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
ACGIH / C	: Ceiling limit
KR OEL / TWA	: Time Weighted Average
KR OEL / STEL	: Short Term Exposure Limit
KR OEL / C	: Ceiling
KR PEL / TWA	: TWA
KR PEL / STEL	: STEL

AIIC - Australian Inventory of Industrial Chemicals; 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; 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 Con-

# SAFETY DATA SHEET



## Vazo™ 52G

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centration 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; TECI - Thailand Existing Chemicals Inventory; 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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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