

# SAFETY DATA SHEET



## Vazo™ 52G

Version 14.1	Revision Date: 2025/05/07	SDS Number: 1331753-00047	Date of last issue: 2024/10/16 Date of first issue: 2017/02/27
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### 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical product name : Vazo™ 52G

SDS-Identcode : 130000030497

#### Supplier's company name, address and phone number

Company name of supplier : Chemours Kabushiki Kaisha

Address : Kamiyacho Prime Place, 4-1-17, Toranomom, Minato-ku, Tokyo, Japan

Telephone : 050-3823-0500

Emergency telephone number : 0120 081167

Prepared by : Product Stewardship & Regulatory

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

Recommended use : Intermediate

Restrictions on use : For industrial use only.

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### 2. HAZARDS IDENTIFICATION

#### GHS classification of chemical product

Self-reactive substances and mixtures : Type D

Skin sensitisation : Sub-category 1A

Short-term (acute) aquatic hazard : Category 2

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.  
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.  
P391 Collect spillage.

**Storage:**  
P403 Store in a well-ventilated place.  
P411 Store at temperatures not exceeding 10 °C/ 50 °F.  
P420 Store separately.

**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

Important symptoms and outlines of the emergency assumed : 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

Substance name : 2,2'-Azodi[2,4-Dimethylvaleronitrile]

CAS-No. : 4419-11-8

### Components

Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.
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2,2'-Azodi[2,4-Dimethylvaleronitrile]	4419-11-8	>= 90 - <= 100	2-1532, 2-161
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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.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- 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.
- In case of eye contact : If in eyes, rinse well with water.  
Get medical attention if irritation develops and persists.
- 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

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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 with compressed air).

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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

#### Handling

- |                         |   |
|-------------------------|---|
| Technical measures      | : Static electricity may accumulate and ignite suspended dust causing an explosion.<br>Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.  |
| Local/Total ventilation | : Use only with adequate ventilation.<br>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.<br><br>Do not get on skin or clothing.<br>Avoid breathing dust, fume, gas, mist, vapours or spray.<br>Do not swallow.<br>Avoid contact with eyes.<br>Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment<br>Non-sparking tools should be used.<br>Prevent pressure build-up<br>Protect from contamination.<br>Minimize dust generation and accumulation.<br>Keep container closed when not in use.<br>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>Take precautionary measures against static discharges.<br>Keep only in original packaging.<br>Take care to prevent spills, waste and minimize release to the environment. |
| Avoidance of contact    | : Oxidizing agents<br>Avoid impurities (e.g. rust, dust, ash), risk of decomposition.<br>Flammable materials  |
| Hygiene measures        | : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working  |

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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.

### Storage

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.

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

Packaging material : Unsuitable material: None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Threshold limit value and permissible exposure limits for each component in the work environment

Contains no substances with 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	ACL	3 ppm	JP OEL ISHL
		OEL-M	5 ppm 5.5 mg/m3	JP OEL JSOH
	Further information: Skin absorption			
		C	4.7 ppm (Cyanide)	ACGIH
Carbon monoxide	630-08-0	OEL-M	50 ppm 57 mg/m3	JP OEL JSOH
	Further information: Group 1: Substances known to cause reproductive toxicity in humans			
		TWA	25 ppm	ACGIH

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Carbon dioxide	124-38-9	OEL-M	5,000 ppm 9,000 mg/m3	JP OEL JSOH
		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

**Respiratory protection** : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

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

### 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.

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

**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 clothing (gloves, aprons, boots, etc).

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Colour	: white
Odour	: odourless
Odour Threshold	: No data available
Melting point/freezing point	: > 50 °C Do not attempt to verify melting point; decomposition can be violent.
Boiling point, initial boiling point and boiling range	: No data available
Flammability (solid, gas)	: May form explosive dust-air mixture.
Lower explosion limit and upper explosion limit / flammability limit	
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: 0.03 %(V)
Flash point	: Not applicable
Decomposition temperature	: The product is a self-reactive substance or mixture classified as type D.
pH	: 7
Evaporation rate	: 0 (Butyl Acetate=1.0)
Bulk density	: 400 kg/m <sup>3</sup>
Auto-ignition temperature	: 225 °C
Self-Accelerating decomposition temperature (SADT)	: 25 °C
Viscosity	
Viscosity, kinematic	: Not applicable
Solubility(ies)	
Water solubility	: >= 0.00937 g/l (20 °C)



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Partition coefficient: n-octanol/water	:	log Pow: 3.319 (20 °C)
Vapour pressure	:	Not applicable
Density and / or relative density	:	
Relative density	:	0.969
Relative vapour density	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Particle characteristics	:	
Particle size	:	No data available

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### 10. STABILITY AND REACTIVITY

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 decomposition 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

#### Acute toxicity

Not classified based on available information.

#### 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

Not classified based on available information.

#### Components:

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

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

#### Serious eye damage/eye irritation

Not classified based on available information.

#### 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

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**Respiratory or skin sensitisation****Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

**Product:**

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

**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

**Germ cell mutagenicity**

Not classified based on available information.

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

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.

**Carcinogenicity**

Not classified based on available information.

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### Reproductive toxicity

Not classified based on available information.

#### Components:

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

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

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

#### 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

Not classified based on available information.

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### Components:

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

No aspiration toxicity classification

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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

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 1.17 mg/l  
aquatic invertebrates : Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EC50 (Desmodesmus subspicatus (green algae)): 1.48 mg/l  
plants : 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- : log Pow: 3.319 (25 °C)  
octanol/water

### **Mobility in soil**

No data available

### **Hazardous to the ozone layer**

Not applicable

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### Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues	:	Dispose of in accordance with local regulations. 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.

## 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

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Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**ERG Code** : 150

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### 15. REGULATORY INFORMATION

#### Related Regulations

##### Fire Service Law

Group 5, Azo compounds, 2nd self-reactive materials, (100 kilogram), Hazardous rank II

##### Chemical Substance Control Law

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

##### Industrial Safety and Health Law

##### Harmful Substances Prohibited from Manufacture

Not applicable

##### Harmful Substances Required Permission for Manufacture

Not applicable

##### Substances Prevented From Impairment of Health

Not applicable

##### Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

##### Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

##### Substances Subject to be Notified Names

Not applicable

##### Substances Subject to be Indicated Names

Not applicable

##### Skin and Eye Damage Substances (ISHL MO Art. 594-2)

Not applicable

##### Carcinogenic Substances (Article 577-2 of the Occupational Health and Safety Regulations)

Not applicable

##### Ordinance on Prevention of Hazards Due to Specified Chemical Substances

Not applicable

##### Ordinance on Prevention of Lead Poisoning

Not applicable

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### **Ordinance on Prevention of Tetraalkyl Lead Poisoning**

Not applicable

### **Ordinance on Prevention of Organic Solvent Poisoning**

Not applicable

### **Enforcement Order of the Industrial Safety and Health Law - Attached table 1 (Dangerous Substances)**

Not applicable

### **Poisonous and Deleterious Substances Control Law**

Not applicable

### **Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof**

Not applicable

### **High Pressure Gas Safety Act**

Not applicable

### **Explosive Control Law**

Not applicable

### **Vessel Safety Law**

Flammable solids (Article 2 and 3 of rules on shipping and storage of dangerous goods and its Attached Table 1)

### **Aviation Law**

Loading forbidden

### **Marine Pollution and Sea Disaster Prevention etc Law**

Bulk transportation : Not classified as noxious liquid substance

Pack transportation : Classified as marine pollutant

### **Narcotics and Psychotropics Control Act**

Narcotic or Psychotropic Raw Material (Export / Import Permission)

Not applicable

Specific Narcotic or Psychotropic Raw Material (Export / Import permission)

Not applicable

### **Waste Disposal and Public Cleansing Law**

Specially Controlled Industrial 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.  
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Before use read Chemours safety information.  
For further information contact the local Chemours office or nominated distributors.



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### 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/>

Date format : yyyy/mm/dd

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
JP OEL ISHL : Japan. Administrative Control Levels  
JP OEL JSOH : Japan. The Japan Society for Occupational Health. Recommendation of Occupational Exposure Limits

ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
ACGIH / C : Ceiling limit  
JP OEL ISHL / ACL : Administrative Control level  
JP OEL JSOH / OEL-M : Occupational Exposure Limit-Mean

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 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; 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

# SAFETY DATA SHEET



## Vazo™ 52G

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