

# SAFETY DATA SHEET

Print Date: 2023-6-17 Version:3.0

According to GHS standard Revision Date:2023-5-30

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product name : POLYETHYLENE WAX NV-453

Product Use Description : POLYMER ADDITIVES

MSDS Number : 001903

Company : CHEMNOVO NEW MATERIALS TECHNOLOGY(ZHEJIANG) CO.,LTD

NO.8 SITONG AVENUE,HUIBU TOWN,CHANGSHAN COUNTY,ZHEJIANG PROVINCE,CHINA

For more information call : 0570-5582193

In case of emergency call : Medical:0570-5582193 (Monday-Friday,8:30am~6:00pm)

Transportation:+86-13761100378 (24 hours/day,7 days/week)

## SECTION 2 HAZARDS SUMMARIZING

### Emergency Overview

Form : powder

Color : white

Odor : slight

Hazard Summary : Static charges on powders in liquids may ignite combustible atmospheres.Accumulations of dust from this product in the workplace may increase the likelihood or severity of an explosion, product dust may be irritating to eyes,skin and respiratory system.Thermal decomposition can lead to release of irritating gases and vapours The molten product can cause serious burns.

### Potential Health Effects

Skin : May cause mechanical irritation

The molten product can cause serious burns.

Eyes : May cause mechanical irritation.

Thermal decomposition can lead to release of

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		irritating gases and vapours.
Ingestion	:	Unlikely route of exposure. No known effect.
Inhalation	:	Thermal decomposition can lead to release of irritating gases and vapours.
Chronic Exposure	:	None known
Aggravated Medical	:	None known Condition
<b>Carcinogenicity</b>	:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	CAS NO
Polyethylene	100	9002-88-4

### SECTION 4 FIRST AID MEASURES

Inhalation	:	Remove to fresh air. Call a physician if irritation develops or persists.
Skin contact	:	Wash off with soap and water. Call a physician if irritation develops or persists. Cool skin rapidly with cold water after contact with molten material. Do not peel solidified product off the skin. Call a physician immediately.
Ingestion	:	Unlikely route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician if necessary.

#### Notes to physician

Treatment	:	Treat symptomatically
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### SECTION 5 FIRE-FIGHTING MEASURES

- Flash point : >230°C open cup
- Lower explosion limit : not applicable
- Upper explosion limit : not applicable
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment  
Water mist/Dry chemical/Carbon dioxide (CO<sub>2</sub>)/Foam  
Do not use a solid water stream as it may scatter and spread fire.
- Specific hazards during fire fighting : Material can create slippery conditions  
Watch footing on floors and stairs because of possible spreading of molten material.  
Airborne dusts of this product in an enclosed space and in the presence of an ignition source may constitute an explosion hazard.  
Static charges on powders or powders in liquids may ignite combustible atmospheres.  
Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.  
In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)
- Special protective equipment for fire-fighters : In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.

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### SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear personal protective equipment.Unprotected persons must be kept away.Ensure adequate ventilation.  
Contact with hot product will cause thermal burns.
- Environmental precautions** : Should not be released into the environment. Prevent product from entering drains.
- Methods for cleaning up** : Avoid dust formation and electrical charging (sparking) because dust explosion might occur. Do not create a powder cloud by using a brush or compressed air.  
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).  
For molten product:  
Spilled material will solidify. Allow to solidify.Scrape up.  
Shovel into suitable container for disposal.

### SECTION 7 HANDLING AND STORAGE

- Handling** : Wear personal protective equipment.  
Avoid contact with skin and eyes.  
Do not breathe dust.  
Floors, walls and other surfaces must be regularly cleaned.  
Keep away from fire, sparks and heated surfaces.  
Take precautionary measures against static discharges.  
Material can create slippery conditions
- Advice on protection against fire and explosion** : All combustible solids have the potential to create a dust explosion hazard. The likelihood of an explosion can be dependent upon many factors, such as the explosive characteristics of the material

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### Storage

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep away from heat and sources of ignition.  
Keep away from direct sunlight.  
Do not store together with:  
Strong oxidizing agents

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective measures : Do not breathe vapours/dust.  
Avoid contact with skin, eyes and clothing.  
Ensure that eyewash stations and safety showers are close to the workstation location.

Engineering measures : General room ventilation is adequate for storage and handling. Provide exhaust ventilation if dust is formed.  
Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors.

Eye protection : Wear as appropriate:  
Safety glasses with side-shields  
For molten product:  
Goggles or face shield, giving complete protection to eyes

Hand protection : When handling hot material, use heat resistant gloves.

Skin and body protection : Wear heat protective clothing for handling hot material

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Wash hands before breaks and at the end of workday.  
Remove and wash contaminated clothing before re-use.  
Keep working clothes separately.

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### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Form	:	powder
Color	:	white
Odor	:	slight
pH	:	not applicable
Boiling point/boiling range	:	not determined
Vapor pressure	:	not applicable
Relative vapour density	:	not applicable
Melting point/range	:	110±10 °C
Density	:	0.92~0.93 g/cm <sup>3</sup>
Water solubility	:	negligible

### SECTION 10 STABILITY AND REACTIVITY

Conditions to avoid	:	Heat, flames and sparks. Avoid dust formation and electrical charging (sparking) because dust explosion might occur Avoid exposure to temperatures exceeding recommended processing conditions.Honeywell should be contacted if questions arise concerning specific processing conditions.
Materials to avoid	:	Strong oxidizing agents
Hazardous decomposition products	:	In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO <sub>2</sub> )
Hazardous reactions	:	Hazardous polymerisation does not occur. Stable under recommended storage conditions

### SECTION 11 TOXICOLOGICAL INFORMATION

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### Information on toxicological effects

Acute oral toxicity : LD50>2,000mg/kg(rat)  
Irritant effect on skin non-irritant  
Irritant effect on eyes non-irritant  
Remarks : According to experience,the product is considered to be harmless to health if handled in the correct manner

### SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Persistence and degradability

Bioaccumulative potential

Mobility in soil

Results of PBT and vPvB assessment

Other adverse effects

Additional ecotoxicological : Product is insoluble in water  
remarks Harmful effects to fish and bacteria:not harmful  
May be separated out mechanically in treatment plants

### SECTION 13 DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Product : In accordance with the necessary technical regulations may be dumped or incinerated with household waste ,after consultation with site operator and with the responsible authority  
Uncleaned packaging : Packaging that cannot be cleaned should be disposed of as product waste

### SECTION 14 TRANSPORT INFORMATION

ADR : not restricted  
ADNR : not restricted

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**DOT** : not restricted

**TDG** : not restricted

**RID** : not restricted

**IATA** : not restricted

**IMDG** : not restricted

Special precautions for user : See Sections 6 to 8 of this MSDS

Transport in bulk according to : No transport as bulk according IBC-Code  
Annex II of MARPOL73/78  
and the IBC Code

### SECTION 15 REGULATORY INFORMATION

#### Inventories

1907/2006 (EU) : On the inventory, or in compliance with the inventory

US. Toxic Substances Control Act : On the inventory, or in compliance with the inventory

Australia. Industrial Chemical  
(Notification and Assessment) Act : On the inventory, or in compliance with the inventory

Canada. Canadian Environmental  
Protection Act (CEPA). Domestic  
Substances List (DSL).  
(Can. Gaz. Part II, Vol. 133) : On the inventory, or in compliance with the inventory

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Toxic Chemical  
Control Law (TCCL) List : On the inventory, or in compliance with the inventory



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- Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On the inventory, or in compliance with the inventory
- China. Inventory of Existing Chemical Substances : On the inventory, or in compliance with the inventory
- NZIOC - New Zealand : On the inventory, or in compliance with the inventory

### SECTION 16 OTHER INFORMATION

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible application. Chemnovo makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of the information. Any user of this product is responsible for determining the suitability of Chemnovo's product for its particular application. Nothing included in this information waives any of Chemnovo's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheet providing safety precautions, that should be observed when handling or storing Chemnovo products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable MSDS information before handling any of these products. For additional information, please contact Chemnovo.