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# SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

# 1. Identification

Product identifier: NOVAPOL® Polyethylene (Grades that Contain Diatomaceous Earth)

Other means of identification

**Common name(s),** LDPE, HPLDPE, MDPE Polyethylene resins, ethylene polymers

synonym(s):

SDS number: NOVA-0029B

Recommended use and restriction on use

Recommended use: Thermoplastic resin extruded into film, sheet or molded into containers and other

shapes.

Restrictions on use: All uses other than the identified.

# Manufacturer/Importer/Supplier/Distributor Information

**Importer** 

Company Name: NOVA Chemicals, Inc.

Address: 1555 Coraopolis Heights Road

Moon Township, PA, USA 15108

Telephone: Product Information: 1-412-490-4063

SDS Information Email: <a href="mailto:msdsemail@novachem.com">msdsemail@novachem.com</a>

## **Emergency telephone number:**

1-800-561-6682, 1-403-314-8767 (NOVA Chemicals) (24 hours)

1-800-424-9300 (CHEMTREC-USA) (24 hours)

# 2. Hazard(s) identification

#### **Hazard Classification**

OSHA hazard(s)

Combustible dust

#### **Label Elements**

Hazard Symbol: No symbol

Signal Word: Warning

Hazard Statement: If small particles are generated during further processing,

handling or by other means, may form combustible dust

concentrations in air.

**Precautionary Statements:** 

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking. Ground and bond container and

receiving equipment. Use explosion-proof

[electrical/ventilating/lighting] equipment. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. [In case of inadequate

ventilation] wear respiratory protection.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get

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medical advice/attention. IF ON SKIN: Wash with plenty of water/soap. If skin irritation occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsina.

Store in accordance with local/regional/national regulations. Storage:

Protect from sunlight.

Disposal: Dispose of contents/container in accordance with

local/regional/national/international regulations. Refer to manufacturer

or supplier for information on recovery or recycling.

Other hazards which do not result

in GHS classification:

Spilled product may create a dangerous slipping hazard.

## 3. Composition/information on ingredients

#### **Mixtures**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Silica, cristobalite	Crystalline silica	14464-46-1	0.1 - 0.3%

<sup>\*</sup> All concentrations are percent by weight.

Additional Information: The silica, cristobalite is inextricably bound or coated in the resin.

#### 4. First-aid measures

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for

breathing. Get medical advice/attention.

Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical

advice/attention.

IF ON SKIN: Wash with plenty of water/soap. If skin irritation occurs: Get **Skin Contact:** 

medical advice/attention.

Eve contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. Get medical

advice/attention.

Most important symptoms/effects, acute and delayed

Thermal burns. Respiratory irritation. Mechanical irritation. Symptoms:

#### Indication of immediate medical attention and special treatment needed

Treatment: After adequate first aid, no further treatment is required unless

> symptoms reappear. Burns should be treated as thermal burns. Molten resin will come off as healing occurs; therefore, immediate removal from the skin is not necessary. Treatment should be directed at the control of symptoms and the clinical condition of the patient. No

adverse effects due to ingestion are expected.

#### 5. Fire-fighting measures

Polyethylene is a noncombustible solid, but dusts may form explosive General Fire Hazards:

mixtures in air. Product will burn at high temperatures but is not considered

flammable. Under fire conditions, product will readily burn and emit irritating

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smoke.

#### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

Water fog or water spray. Small fires: Dry chemical, carbon dioxide (CO2)

or foam.

Unsuitable extinguishing media:

Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from the chemical:

Upon heating, polyethylene may emit various oligomers, waxes and oxygenated hydrocarbons as well as carbon dioxide, carbon monoxide and small amounts of other organic vapors (e.g. aldehydes, acrolein). Inhalation of these decomposition products may be hazardous. Powdered material may form explosive dust-air mixtures. Risk of dust-air explosion is increased if flammable vapors are also present. Static discharge: material can accumulate static charges which may cause an incendiary electrical discharge.

# Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures:

Keep upwind. Keep unauthorized personnel away. Move containers from fire area if you can do so without risk. Fight fire from maximum distance or use unmanned holders or monitor nozzles. Apply extinguishing media carefully to avoid creating airborne dust. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Water may be used to flood the area. Use water spray to cool fire exposed surfaces and to protect personnel. Avoid inhaling any smoke and combustion materials. Remove and isolate contaminated clothing and shoes. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Special protective equipment for fire-fighters:

Wear positive pressure self-contained breathing apparatus (SCBA).

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Isolate area. Alert stand-by emergency and fire-fighting personnel. Wear appropriate personal protective equipment. For additional information, refer to Section 8.

Methods and material for containment and cleaning up:

Avoid standing or walking on spilled product. Spilled product may create a dangerous slipping hazard. In case of leakage, eliminate all ignition sources. Stop leak if safe to do so. 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. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use appropriate tools to put the spilled solid in an appropriate disposal or recovery container. Use non-sparking tools. Recover and reclaim or recycle, if practical.

**Environmental Precautions:** 

Prevent entry into waterways, sewer, basements or confined areas.

#### 7. Handling and storage

Precautions for safe handling:

Keep away from uncontrolled heat and incompatible materials. Wash hands thoroughly after handling. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Ground all material handling and transfer equipment. For

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additional information on control of static and minimizing potential dust and fire hazards, refer to NFPA-654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids", current edition. Use in a well-ventilated area. Wear eye protection/protective gloves as needed/wear full face-shield during thermal processing if contact with molten material is possible/wear respirator if dusty. Spilled product may create a dangerous slipping hazard. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities:

Store in accordance with all current regulations and standards. Storage area should be clearly identified, well-illuminated and clear of obstruction. Store in closed, grounded and properly designed vessels. Keep away from uncontrolled heat and incompatible materials. Protect from sunlight. Outdoor storage of product in bags requires protection from ultra-violet sunlight by use of a UV stabilized bag or alternate means. Avoid accumulation of dust by frequent cleaning and suitable construction of storage and handling areas. Keep shovels and vacuum systems readily available for cleanup of loose material. DO NOT enter filled bulk containers and attempt to walk over product, due to risk of slipping and possible suffocation. Use a fall arrest system when working near open bulk containers.

# 8. Exposure controls/personal protection

#### **Control Parameters**

#### **Occupational Exposure Limits**

During dusty conditions ACGIH recommends for Particles (insoluble or poorly soluble) not otherwise specified a TWA of 10 mg/m3 (inhalable particles), 3 mg/m3 TWA (respirable particles); OSHA recommends for Nuisance particulates a TWA of 15 mg/m3 (total dust), 5 mg/m3 TWA (respirable fraction).

The silica, cristobalite is inextricably bound or coated in the resin, which minimizes the likelihood of exposure.

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<b>Chemical Identity</b>	Туре	Exposure Limit Values	Source	
Silica, cristobalite - Respirable fraction.	TWA	0.025 mg/m3	US. ACGIH Threshold Limit Values, as amended	
Silica, cristobalite - Respirable dust.	TWA	0.05 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended	
Silica, cristobalite - Respirable.	TWA	1.2 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended	
	TWA	0.05 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended	
Silica, cristobalite - Respirable dust.	PEL	0.05 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended	
Silica, cristobalite	IDLH	25 mg/m3	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended	
Silica, cristobalite - Respirable dust.	REL	0.05 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended	

# Appropriate Engineering Controls

Engineering methods to reduce hazardous exposure are preferred controls. Methods include mechanical ventilation (dilution and local exhaust) process or personal enclosure, remote and automated operation, control of process conditions, leak detection and repair systems, and other process modifications. 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). Ensure all exhaust ventilation systems are discharged to outdoors, away from air intakes and ignition sources. Supply sufficient replacement air to make up for air removed by exhaust systems. Administrative (procedure) controls and use of personal protective equipment may also be required.

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It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Use only appropriately classified electrical equipment and powered industrial trucks.

# Individual protection measures, such as personal protective equipment

General information: Personal protective equipment (PPE) should not be considered a long-term

solution to exposure control. Employer programs to properly select, fit, maintain and train employees to use equipment must accompany PPE. Consult a competent industrial hygiene resource, the PPE manufacturer's recommendation, and/or applicable regulations to determine hazard

potential and ensure adequate protection.

**Eye/face protection:** Safety glasses. Wear a face shield when working with molten material.

**Skin Protection** 

**Hand Protection:** Wear gloves to protect against thermal burns.

**Skin and Body**Wear appropriate clothing to prevent any possibility of skin contact. Wear **Protection:**work clothes with long sleeves and pants. Safety footwear with good

work clothes with long sleeves and pants. Safety footwear with good traction is recommended to help prevent slipping. Static Dissipative (SD)

rated footwear is also recommended.

**Respiratory Protection:** Appropriate NIOSH approved air-purifying respirator or self-contained

breathing apparatus should be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations

exceed the limits of the air-purifying respirators.

**Hygiene measures:** Use effective control measures and PPE to maintain worker exposure to

concentrations that are below these limits. Ensure that evewash stations

and safety showers are in close proximity to work locations.

# 9. Physical and chemical properties

**Appearance** 

Physical state: solid

Form: Pellets or Granular powder

Color: white / colorless / translucent

Odor: Minimal, Mild
Odor Threshold: No data available.
pH: not applicable

Melting point/freezing point: 105 - 135 °C (221 - 275 °F) (Melting Point) 85 - 127 °C

(185 - 261 °F) (Softening point)

Initial boiling point and boiling range: not applicable
Flash Point: not applicable
Evaporation rate: not applicable

Flammability (solid, gas): May form combustible dust concentrations in air [if small

particles are generated during further processing,

handling or by other means.]

Upper/lower limit on flammability or explosive limits

Flammability Limit - Upper (%):

Flammability Limit - Lower (%):

Vapor pressure:

Vapor density:

Density:

not applicable
not applicable
not applicable
910 - 940 kg/m3

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**Relative density:** 0.910 - 0.940

Solubility(ies)

Solubility in water:
Solubility (other):
No data available.
Partition coefficient (n-octanol/water):
not applicable
No data available.
No data available.
> 300 °C (> 572 °F)
Viscosity:
not applicable

Other information

**Explosive properties:**No data available. **Oxidizing properties:**not applicable

# 10. Stability and reactivity

**Reactivity:** Contact with incompatible materials. Sources of ignition. Exposure to heat.

**Chemical Stability:** Material is stable under normal conditions.

Possibility of hazardous

reactions:

Hazardous polymerization not likely to occur.

**Conditions to avoid:** Avoid exposing to extended periods of heat and contact with strong

oxidizing substances.

Incompatible Materials: Strong oxidizing agents. Organic solvents, ether, gasoline, lubricating oils,

chlorinated hydrocarbons and aromatic hydrocarbons may react with and degrade polyethylene. Powdered material may form explosive dust-air mixtures. Risk of dust-air explosion is increased if flammable vapors are

also present.

**Hazardous Decomposition** 

Products:

Upon decomposition, polyethylene may emit various oligomers, waxes and oxygenated hydrocarbons as well as carbon dioxide, carbon monoxide and

small amounts of other organic vapors (e.g. aldehydes, acrolein). Inhalation

of these decomposition products may be hazardous.

# 11. Toxicological information

# Information on likely routes of exposure

**Inhalation:** During processing, thermal fumes and inhalation of fine particles may

cause respiratory irritation. The silica, cristobalite is inextricably bound or

coated in the resin, which minimizes the likelihood of exposure.

**Ingestion:** Ingestion of this product is not a likely route of exposure.

**Skin Contact:** During processing, contact with powder or fines may cause mechanical

irritation. Molten material will produce thermal burns. The silica, cristobalite is inextricably bound or coated in the resin, which minimizes the likelihood

of exposure.

**Eye contact:** During processing, contact with powder or fines may cause mechanical

irritation. Molten material will produce thermal burns. The silica, cristobalite is inextricably bound or coated in the resin, which minimizes the likelihood

of exposure.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Inhalation:** Respiratory irritation.

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**Ingestion:** No adverse effects due to ingestion are expected.

**Skin Contact:** Mechanical irritation. Thermal burns. Negligible irritation of the skin based

on chemical structure (polymer).

**Eye contact:** Mechanical irritation. Thermal burns. May cause mild, short-lasting

discomfort to eyes.

#### Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

**Product:** LD 50: > 5,000 mg/kg (estimated)

**Dermal** 

**Product:** Not classified for acute toxicity based on available data.

Inhalation

**Product:** Not classified for acute toxicity based on available data.

Repeated dose toxicity

**Product:** No data available.

Skin Corrosion/Irritation

**Product:** No data available.

Components:

Silica, cristobalite Irritating. May cause abrasion to skin. The silica, cristobalite is inextricably

bound or coated in the resin, which minimizes the likelihood of exposure.

Serious Eye Damage/Eye Irritation

**Product:** No data available.

Components:

Silica, cristobalite Irritating. May cause abrasion to cornea. The silica, cristobalite is inextricably

bound or coated in the resin, which minimizes the likelihood of exposure.

Respiratory or Skin Sensitization

**Product:** No data available.

Carcinogenicity

**Product:** Not classified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Silica, cristobalite Overall evaluation: 1. Carcinogenic to humans.

**US. National Toxicology Program (NTP) Report on Carcinogens:** 

Silica, cristobalite Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogenic components identified

**Germ Cell Mutagenicity** 

In vitro

**Product:** There are no known or reported genetic effects.

In vivo

**Product:** There are no known or reported genetic effects.

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Reproductive toxicity

**Product:** There are no known or reported reproductive effects.

**Specific Target Organ Toxicity - Single Exposure** 

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure** 

**Product:** No data available.

Components:

Silica, cristobalite Lungs, Respiratory system - The silica, cristobalite is inextricably bound or

coated in the resin, which minimizes the likelihood of exposure.

**Aspiration Hazard** 

**Product:** Not classified.

Other effects: No data available.

# 12. Ecological information

General information: NOVAPOL® resins are expected to be inert in the environment. They float

on water and are not biodegradable. They are not expected to

bioconcentrate (accumulate in the food chain) due to their high molecular weight. NOVAPOL® resins are not expected to be toxic if ingested but may

represent a choking hazard if ingested by waterfowl or aquatic life.

#### **Ecotoxicity:**

# Acute hazards to the aquatic environment:

**Fish** 

**Product:** LC 50 (96 h): > 100 mg/l

**Aquatic Invertebrates** 

Product: EC 50 (Daphnia magna, 48 h): > 100 mg/l

**Toxicity to Aquatic Plants** 

**Product:** EC 50 (72 h): > 100 mg/l

#### Chronic hazards to the aquatic environment:

Fish

**Product:** NOEC : > 100 mg/l

**Aquatic Invertebrates** 

**Product:** NOEC : > 100 mg/l

**Toxicity to Aquatic Plants** 

**Product:** NOEC : > 100 mg/l

#### Persistence and Degradability

Biodegradation

**Product:** Not readily degradable. Under optimal oxidation conditions, >99% of

polyethylene will remain intact after exposure to microbial actions. Product will slowly change (embrittle) in the presence of sunlight, but will not fully breakdown. Product buried in landfill has been found to be stable over time.

No toxic degradation products are known to be produced.

**BOD/COD Ratio** 

**Product:** No data available.

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#### Bioaccumulative potential

**Bioconcentration Factor (BCF)** 

**Product:** Polyethylene resins may accumulate in the digestive systems of birds and

aquatic life, causing injury and possible death due to starvation.

Partition Coefficient n-octanol / water (log Kow)

Product: not applicable

**Mobility in soil:** Biologically persistent. This product has not been found to migrate through

soils.

Other adverse effects: Polyethylene resins are persistent in aquatic and terrestrial systems.

# 13. Disposal considerations

**Disposal instructions:** Dispose of contents/container to an appropriate treatment and disposal

facility in accordance with applicable laws and regulations, and product

characteristics at time of disposal. Preferred disposal methods for polyethylene in order of preference are: 1) clean and reuse if possible, 2) recover and resell through plastic recyclers or resin brokers, 3) incinerate with waste heat recovery and 4) landfill. DO NOT ATTEMPT TO DISPOSE OF BY UNCONTROLLED INCINERATION. Open burning of plastics at

landfills should not be undertaken.

**Contaminated Packaging:** Check local, federal and state environmental regulations prior to disposal.

# 14. Transport information

DOT

Not regulated.

**IATA** 

Not regulated.

**IMDG** 

Not regulated.

# 15. Regulatory information

#### **US Federal Regulations**

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

# US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

#### **CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### **Hazard categories**

Combustible dust

# US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

# US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

None present or none present in regulated quantities.

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#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

#### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

# **US State Regulations**

# **US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**Inventory Status** 

Canada DSL Inventory List: On or in compliance with the inventory

US TSCA Inventory: On or in compliance with the inventory

# 16. Other information, including date of preparation or last revision

**Issue Date:** 05/19/2023

**Revision Information:** 05/19/2023: SDS Update – phrase edits

05/20/2022: SDS Update - address updated

11/27/2019: SDS Update

Version #: 1.2

Abbreviations and acronyms: ACGIH = American Conference of Governmental Industrial Hygienists; BOD = Biochemical

Oxygen Demand; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; DOT = Department of Transportation; EPA = Environmental Protection Agency; FDA = Food and Drug Administration; GHS = Globally Harmonized System for the Classification and Labelling of Chemicals; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association ICAO = International Civil Aviation Organization; IMDG = International Maritime Dangerous Goods; Kow = Octanol/water partition coefficient; LD50 = Lethal Dose 50%; NJTSR = New Jersey Trade Secret Registry; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PPE = Personal Protective Equipment; RCRA =

Resource Conservation and Recovery Act; SARA = Superfund Amendments and

Reauthorization Act; SCBA = Self Contained Breathing Apparatus; SDS = Safety Data Sheet; SEPA = State Environmental Protection Administration; TSCA = Toxic Substances Control Act;

TWA = Time Weighted Average

**Further Information:** Exposure to the Hazardous Combustion and Decomposition Products as

described in the SDS, Sections 5 and 10, may be linked with various acute and chronic health effects. These effects include irritation of eyes and upper respiratory tract primarily from the aldehydes, breathing difficulties, systemic

toxicity such as liver, kidney, and central nervous system effects.

NOVA Chemicals has monitored worker exposures to emissions during commercial-scale processing of polyethylene. Concentrations of hazardous decomposition products were determined to be well below established exposure limits in the workplace. "Quantitation of Employee Exposure to Emission Products Generated By Commercial-Scale Processing of

Polyethylene" is available in the Am. Ind. Hyg. Assoc. J. 56:809-814 (1995) and "Quantification of Emission Compounds Generated During Commercial-Scale Processing of Advanced SCLAIRTECH™ Polyethylene" is available in the Journal of Plastic Film & Sheeting Volume 26 Issue 2, April 2010.

For information on ventilation considerations for the control of volatile air contaminants from polyethylene, please request a copy of NOVA Chemicals' publication, "Ventilation Guidelines for Heat-Processing Polyethylene Resins".

For additional information on unloading hopper cars containing plastic resins, refer to NOVA Chemicals' publication, "Hopper Car Unloading Guide".

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For information on processing properties, selection of NOVAPOL resin grades, refer to the NOVAPOL Product Data Sheets available on our web site, under Products & Applications: <a href="http://www.novachemicals.com">http://www.novachemicals.com</a>.

For additional information on preventing polyethylene resin loss, refer to published plastic industry publications and resources under Operation Clean Sweep® product stewardship program; now downloadable from the web at <a href="http://www.opcleansweep.org/">http://www.opcleansweep.org/</a>.

Polyethylene fines and dust particles are listed as a Class I combustible dust by the National Fire Protection Association (see NFPA-68, Table F.1 (e)). For additional information on control of static and minimizing potential dust and fire hazards, refer to NFPA-654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids", current edition.

Explosivity testing was done on one NOVAPOL® LLDPE, one LDPE and one HDPE resins with Pmax = 4.8-5.7 bar, Kst = 12-17 (bar m/s) and Minimum Ignition Energy (MIE) = 1000-10,000; dust explosion class = St 1; this data was obtained for polyethylene with a final particle size of 100% <250 um and moisture content between 0 and 0.2%. Similar results are expected for the remaining NOVAPOL® polyethylene resin grades.

For NOVAPOL resin grade specific information including food contact compliance statements, please contact your sales representative or refer to NOVA Chemicals' polyethylene Product Data Sheets.

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