



14030 Gannet Street, Santa Fe Springs, CA 90670 | Tel: 562-921-0444 | Fax: 562-921 0034

# Material Safety Data Sheet

## TECHNYLSTAR SX218 V50 BLACK Z

### 1. PRODUCT AND COMPANY DESCRIPTION

RHODIA INC.  
RHODIA ENGINEERING PLASTICS

**Emergency Phone Numbers:**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC (800-424-9300 within the United States or 703-527-3887 for international collect calls) or Rhodia CAERS (Communication and Emergency Response System) at 800-916-3232.

**For Product Information:**

No phone number available.

**Chemical Name or Synonym:**

ENGINEERING PLASTIC, NYLON 6-BASED

**Molecular Formula:**

$(C_{12}H_{22}N_2O_2)_n$

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	OSHA Hazard	Percentage
NYLON 6	25038-54-4	N	< 50
INERT MINERALS	*****	N	> 50

### 3. HAZARDS IDENTIFICATION

**A. EMERGENCY OVERVIEW:**

**Physical Appearance and Odor:**

black solid, odorless.

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**Warning Statements:**

Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it.

**B. POTENTIAL HEALTH EFFECTS:**

**Acute Eye:**

Non-irritating. May cause foreign body irritation only.

**Acute Skin:**

Non-irritating.

**Acute Inhalation:**

May cause coughing, sore throat.

**Acute Ingestion:**

Low acute oral toxicity.

**Chronic Effects:**

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

## 4. FIRST AID MEASURES

**FIRST AID MEASURES FOR ACCIDENTAL:**

**Eye Exposure:**

Rinse particulate matter from eye. Seek medical attention if irritation develops or persists or if visual changes occur.

**Skin Exposure:**

In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

**Inhalation:**

If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion:**

No harmful effects expected. If appreciable quantities are swallowed, call a physician or poison control center. Do not leave victim unattended.

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:**

No adverse effects anticipated.

**NOTES TO PHYSICIAN:**

All treatments should be based on observed signs and symptoms of distress in the patient.

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Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Treat symptomatically. No specific antidote available.

## 5. FIRE FIGHTING MEASURES

### FIRE HAZARD DATA:

#### Flash Point:

> 400 C (752 F). Flammability Class: WILL BURN.

#### Method Used:

Closed cup

**Flammability Limits (vol/vol%):** Lower: Upper:  
No Data No Data

#### Extinguishing Media:

Recommended: dry chemical, foam, water, carbon dioxide.

#### Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

#### Unusual Fire and Explosion Hazards:

Product will burn under fire conditions.

#### Hazardous Decomposition Materials (Under Fire Conditions):

hydrogen cyanide  
oxides of nitrogen  
oxides of carbon

#### Autoignition Temperature:

> 450 C (842 F)

## 6. ACCIDENTAL RELEASE MEASURES

### Evacuation Procedures and Safety:

Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

### Containment of Spill:

Follow procedure described below under Cleanup and Disposal of Spill.

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**Cleanup and Disposal of Spill:**

Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage).

**Environmental and Regulatory Reporting:**

Do not flush to drain.

## 7. HANDLING AND STORAGE

**Minimum/Maximum Storage Temperatures:**

Not Available

**Handling:**

Avoid breathing dusts or vapors. Avoid direct or prolonged contact with skin and eyes.

**Storage:**

Store in an area that is clean, Store in tightly closed containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Introductory Remarks:**

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

**Exposure Guidelines:**

No exposure limits were found for this product or any of its ingredients.

**Engineering Controls:**

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures.

**Respiratory Protection:**

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

**Eye/Face Protection:**

Skin Protection:

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**Skin Protection:**

Work Practice Controls: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

(1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

**Work Practice Controls:**

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

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- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

**Physical Appearance:**

black N/AVAIL solid.

**Odor:**

odorless.

**pH:**

Not Applicable

**Specific Gravity:**

1.14 at 25 C (77 F).

**Water Solubility:**

practically insoluble

**Melting Point Range:**

250 to 260 C (482 to 500 F)

**Boiling Point Range:**

Not Available

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**Vapor Pressure:**

Not Available

**Vapor Density:**

Not Available

## 10. STABILITY AND REACTIVITY

**Chemical Stability:**

This material is stable under normal handling and storage conditions described in Section 7.

**Conditions To Be Avoided:**

none known

**Materials/Chemicals To Be Avoided:**

none known

**Decomposition Temperature Range:**

> 350 C (662 F)

**The Following Hazardous Decomposition Products Might Be Expected:**

**Decomposition Type: thermal**

hydrogen cyanide  
oxides of nitrogen  
oxides of carbon

**Hazardous Polymerization Will Not Occur.**

**Avoid The Following To Inhibit Hazardous Polymerization:**

none known

## 11. TOXICOLOGICAL INFORMATION

**Acute Eye Irritation:**

No test data found for product.

**Acute Skin Irritation:**

No test data found for product.

**Acute Dermal Toxicity:**

No test data found for product.

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**Acute Respiratory Irritation:**  
No test data found for product.

**Acute Inhalation Toxicity:**  
No test data found for product.

**Acute Oral Toxicity:**  
No test data found for product.

**Chronic Toxicity:**  
This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Information:**  
No data found for product.

**Chemical Fate Information:**  
No data found for product.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**  
Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

**EPA Hazardous Waste - NO**

## 14. TRANSPORTATION INFORMATION

**Transportation Status: IMPORTANT! Statements below provide additional data on listed DOT classification.**

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

**US Department of Transportation**  
Shipping Name:

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NOT REGULATED

## 15. REGULATORY INFORMATION

### Inventory Status

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	N
EUROPE (EINECS/ELINCS)	N
AUSTRALIA (AICS)	N
JAPAN (MITI)	N
SOUTH KOREA (KECL)	N

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

### FEDERAL REGULATIONS

#### Inventory Issues:

SARA Title III Hazard Classes: Fire Hazard - NO Reactive Hazard - NO Release of Pressure - NO Acute Health Hazard - NO Chronic Health Hazard - NO

#### SARA Title III Hazard Classes:

Fire Hazard - NO  
Reactive Hazard - NO  
Release of Pressure - NO  
Acute Health Hazard - NO  
Chronic Health Hazard - NO

#### STATE REGULATIONS:

This product does not contain any components that are regulated under California Proposition 65.

## 16. OTHER INFORMATION

### National Fire Protection Association Hazard Ratings--NFPA(R):

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- 0 Health Hazard Rating--Minimal
- 0 Flammability Rating--Minimal
- 0 Instability Rating--Minimal

**National Paint & Coating Hazardous Materials Identification System--HMIS(R):**

- 0 Health Hazard Rating--Minimal
- 0 Flammability Rating--Minimal
- 0 Reactivity Rating--Minimal

**Reason for Revisions:**

New product MSDS.

**Key Legend Information:**

ACGIH - American Conference of Governmental Industrial Hygienists  
OSHA - Occupational Safety and Health Administration  
TLV - Threshold Limit Value  
PEL - Permissible Exposure Limit  
TWA - Time Weighted Average  
STEL - Short Term Exposure Limit  
NTP - National Toxicology Program  
IARC - International Agency for Research on Cancer  
ND - Not determined  
RPI - Rhodia Established Exposure Limits

**Disclaimer:**

The information herein is given in good faith but no warranty, expressed or implied, is made.

**\*\* End of MSDS Document \*\***

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