

1. Identification

Product identifier VECTOR[®] 2518AP Styrenic Block Copolymer

Other means of identification
Synonyms VECTOR[®] is a registered trademark of TSRC Corporation

Recommended use Industrial conversion as a raw material for manufacture of articles or goods.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer TSRC Specialty Materials LLC
23027 Elkana Deane Ln
Katy, TX 77449, U.S.A.

Telephone +1-281-505-1800

Toll Free +1-877-251-0580 (US only)

E-mail sdsquestions@tsrc-global.com

Contact person Product Steward

Emergency telephone 1-866-519-4752 (US, Canada, Mexico only)
1-760-476-3962 (Americas)

Access code 333558

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information The material may form dust and can accumulate electrostatic charges, which may cause an electrical spark (ignition source).

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS number | % |
|--------------------------|------------|------|
| Butadiene-styrene Rubber | 9003-55-8 | > 91 |
| Talc (non-asbestiform) | 14807-96-6 | <= 6 |

Composition comments All concentrations are in percent by weight.

4. First-aid measures

Inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact Flush skin with large amounts of water. For contact with hot material, immediately immerse affected area of skin in large amounts of cold water to dissipate heat and reduce the extent of thermal burns. Do not peel polymer from the skin.

Eye contact Flush eyes with water as a precaution. Get medical attention if irritation develops or persists.

Ingestion Have victim rinse mouth thoroughly with water.

Most important symptoms/effects, acute and delayed Irritation of eyes and mucous membranes. Irritation of nose and throat.

Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information First aid personnel must be aware of own risk during rescue.

5. Fire-fighting measures

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media None.

Specific hazards arising from the chemical Thermal decomposition may produce smoke, oxides of carbon and lower molecular weight organic compounds whose composition have not been characterized.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Fire fighting equipment/instructions Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out.

General fire hazards The product is not flammable. Will burn if involved in a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Avoid inhalation of fumes from molten product. Surfaces may become slippery after spillage. Wear appropriate personal protective equipment. For personal protection, see Section 8 of the SDS.

Methods and materials for containment and cleaning up Scrape up with shovels into a suitable container for recycle or disposal. For waste disposal, see Section 13 of the SDS.

Environmental precautions Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling Avoid inhalation of dust and contact with skin and eyes. Avoid contact with hot material. The product may form dust and can accumulate electrostatic charges, which may cause an electrical spark (ignition source). Use proper grounding procedures. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in a cool, dry, well-ventilated place. Keep away from incompatible materials, open flames and high temperatures. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 Permissible Exposure Limits (PEL) for Mineral Dusts (29 CFR 1910.1000)

| Components | Type | Value |
|--|------|----------|
| Talc (non-asbestiform) (CAS 14807-96-6) | TWA | 20 mppcf |

US. ACGIH Threshold Limit Values (TLV)

| Components | Type | Value | Form |
|--|------|---------|----------------------|
| Talc (non-asbestiform) (CAS 14807-96-6) | TWA | 2 mg/m3 | Respirable fraction. |

NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended

| Components | Type | Value |
|--|------|------------|
| Talc (non-asbestiform) (CAS 14807-96-6) | IDLH | 1000 mg/m3 |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|--|------|---------------------|-------------|
| Talc (non-asbestiform) (CAS 14807-96-6) | TWA | 2 mg/m ³ | Respirable. |

| | |
|--|---|
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Exposure guidelines | Follow standard monitoring procedures. |
| Appropriate engineering controls | Observe occupational exposure limits and minimize the risk of inhalation of dust and fumes. Use explosion-proof equipment if high dust/air concentrations are possible. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | If contact with material may occur, safety glasses and face shield are recommended. |
| Skin protection | |
| Hand protection | When material is heated, wear gloves to protect against thermal burns. |
| Other | Normal work clothing (long sleeved shirts and long pants) is recommended. |
| Respiratory protection | In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and chemical properties**Appearance**

| | |
|-----------------------|---------------------|
| Physical state | Solid. |
| Form | Powder. |
| Color | White to off-white. |

Odor Odorless to mild.

Odor threshold Not available.

pH Not applicable.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not applicable.

Flash point Not applicable.

Evaporation rate Not applicable.

Flammability (solid, gas) Combustible.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 1.3 (for residual solvent)

Explosive limit - upper (%) 8.0 (for residual solvent)

Vapor pressure Not applicable.

Vapor density Not applicable.

Relative density < 1

Solubility(ies)

Solubility (water) (< 0.1%) Insoluble in water.

Partition coefficient (n-octanol/water) Not applicable.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not applicable.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Stable at normal conditions.

| | |
|---|--|
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Temperatures above 250 °C. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | Dust may irritate respiratory system. |
| Skin contact | Molten material will produce thermal burns. |
| Eye contact | Dust may irritate the eyes. |
| Ingestion | May cause discomfort if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics Irritation of eyes and mucous membranes. Irritation of nose and throat.

Information on toxicological effects

| | |
|--|--|
| Acute toxicity | Dusts may irritate the respiratory tract, skin and eyes. |
| Skin corrosion/irritation | Contact with molten material may cause thermal burns. |
| Serious eye damage/eye irritation | May cause irritation through mechanical abrasion. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not classified. |
| Skin sensitization | Not classified. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | Not classified. |

IARC Monographs. Overall Evaluation of Carcinogenicity

Talc (non-asbestiform) (CAS 14807-96-6) 3 Not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

| | |
|---|---|
| Reproductive toxicity | Not classified. |
| Specific target organ toxicity - single exposure | No data available. |
| Specific target organ toxicity - repeated exposure | No data available. |
| Aspiration hazard | Due to the physical form of the product it is not an aspiration hazard. |
| Chronic effects | Talc may have effects on the lungs, resulting in talc pneumoconiosis. |
| Further information | No other specific acute or chronic health impact noted. |

12. Ecological information

| | |
|--------------------------------------|--|
| Ecotoxicity | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| Persistence and degradability | No data available. |
| Bioaccumulative potential | Bioaccumulation is unlikely to be significant because of the low water solubility of this product. |
| Mobility in soil | The product is not mobile in soil. |
| Other adverse effects | Not known. |

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

| | |
|--|--|
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company and/or appropriate testing. |
| Waste from residues / unused products | Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Toxic Substances Control Act (TSCA)

All components of the mixture on the TSCA 8(b) inventory are designated "active".

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Talc (non-asbestiform) (CAS 14807-96-6)

US. New Jersey Worker and Community Right-to-Know Act

Talc (non-asbestiform) (CAS 14807-96-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Talc (non-asbestiform) (CAS 14807-96-6)

US. Rhode Island RTK

Talc (non-asbestiform) (CAS 14807-96-6)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

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

| | |
|----------------------------|--|
| Issue date | 28-August-2017 |
| Revision date | 18-April-2024 |
| Version # | 04 |
| Further information | HMIS® is a registered trade and service mark of the ACA. B - Safety Glasses, Gloves |
| HMIS® ratings | Health: 1 Flammability: 1 Physical hazard: 1 Personal protection: B |

NFPA ratings



List of abbreviations

TWA: Time weighted average.

References

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices
EPA: AQUIRE database
IARC Monographs. Overall Evaluation of Carcinogenicity
HSDB® - Hazardous Substances Data Bank
National Toxicology Program (NTP) Report on Carcinogens
NLM: Hazardous Substances Data Base

Disclaimer

Limited warranty

There are no warranties which extend beyond the product description herein, and seller makes no warranty, express or implied, of fitness for particular use, merchantability or otherwise with respect to product, whether used singly or in combination with other substances or in any process, except that product sold hereunder shall conform to seller's standard sales specifications as of the date of the shipment. Without limiting the foregoing, seller does not recommend or endorse the use of product(s) in any medical application and specifically disclaims any representation or warranty, express or implied, of suitability or fitness for use or otherwise, with respect to product(s)' use in any medical application. Buyer represents and warrants that no product(s) purchased hereunder will be used in or resold into any commercial or developmental manner in connection with medical applications without seller's prior express written acknowledgement, further, buyer agrees that it will make no representations, express or implied, to any person to the effect that seller recommends or endorses the use of product(s) purchased hereunder in any medical application.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.