

SAFETY DATA SHEET

Sustainion® XA-9 Ionomer Powder

Version 1.1

SDS DATE: 9/22/2021

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sustainion® XA-9 Ionomer Powder

MANUFACTURER: Dioxide Materials
ADDRESS: 3998 FAU Blvd Suite 300
City, State, Zip: Boca Raton FL, 33431

EMERGENCY PHONE: 217-239-1400
TECHNICAL PHONE: 217-239-1400

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements:

Not a hazardous substance or mixture.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	PERCENT	SARA 313
1H-Imidazole, 1,2,4,5-tetramethyl-, compd. with 1-(chloromethyl)-4-ethenylbenzene polymer with ethenylbenzene	2066504-63-8	100%	N

SYNONYMS: PSTMIM-CI

CHEMICAL FORMULA:

SECTION 4: FIRST-AID MEASURES

GENERAL ADVICE

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

IN CASE OF EYES CONTACT:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

IN CASE OF SKIN CONTACT:

Wash off with soap and plenty of water. Consult a physician.

IF SWALLOWED:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

IF INHALED:

If inhaled, remove person into fresh air. If not breathing, give artificial respiration. Consult a physician.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No data available

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

FIRE FIGHTING:

SPECIFIC HAZARD(S) ARISING FROM THE SUBSTANCE OR MIXTURE

Nature of decomposition products not known.

ADVICE FOR FIREFIGHTERS

Wear self-contained breathing apparatus for firefighting if necessary.

FURTHER INFORMATION

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid dust formation. Avoid breathing vapours, mist or gas.

ENVIRONMENTAL PRECAUTIONS

No special environmental precautions required.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Sweep up and shovel. Keep in suitable, closed container for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container tightly closed in a dry and well-ventilated place.

Hygroscopic. Keep in a dry place.

Storage class (TRGS 510): 13: non Combustible solids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Hand in accordance with good industrial hygiene and safety practice. Washing hands before breaks and at the end of the workday.

RESPIRATORY PROTECTION:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SKIN PROTECTION:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

EYE PROTECTION:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

BODY PROTECTION

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:

Solid

COLOR:

White to light yellow

FORM:

powder

ODOR:

no data available

ODOR THRESHOLD

no data available

pH:

no data available

BOILING POINT:

no data available

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MELTING/FREEZING POINT:	no data available
VAPOR PRESSURE (mmHg):	no data available
VAPOR DENSITY (AIR = 1):	no data available
RELATIVE DENSITY:	no data available
SPECIFIC GRAVITY (H ₂ O = 1):	no data available
EVAPORATION RATE:	no data available
SOLUBILITY IN WATER:	insoluble
DECOMPOSITION TEMP:	no data available
PARTITION COEFFICIENT:	no data available
FLASH POINT:	no data available
EXPLOSION PROPERTIES:	no data available
OXIDIZING PROPERTIES:	no data available
FLAMMABILITY LIMIT:	no data available
AUTOIGNITION TEMP:	no data available
VISCOSITY:	no data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: no data available

CHEMICAL STABILITY: stable under ambient conditions

INCOMPATIBILITY (MATERIAL TO AVOID): strong oxidizing agents, strong acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: no data available

HAZARDOUS POLYMERIZATION: will not occur

POSSIBILITY OF HAZARDOUS REACTIONS: no data available.

CONDITIONS TO AVOID: moisture

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY: no data available

SKIN CIRROSION/IRRITATION: no data available

SERIOUS EYE IRRITATION/EYE DAMAGE: no data available

INHALATION: no data available

REPRODUCTIVE TOXICITY: no data available

TARGET ORGAN(S) or SYSTEM(S): no data available

RTECS: not available

CARCINOGENITY: no data available. Note 2-methyl-imidazole and 4-methyl imidazole have been shown to lead to increased incidence of lung and liver cancer in rats at doses of 230 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: no data available

PERSISTENCE AND DEGRADABILITY: no data available

BIOACCUMULATIVE POTENTIAL: no data available

MOBILITY IN SOIL: no data available

OTHER ADVERSE EFFECTS: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Contact a licensed professional waste disposal service to dispose of this material.

Observe all federal, state and local environmental regulations.

CONTAMINATED PACKAGING: dispose of as unused product.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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SECTION 15: REGULATORY INFORMATION

SARA 302 COMPONENTS

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 COMPONENTS

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 HAZARDS

Acute Health Hazard, Chronic Health Hazard

STATE REGULATIONS: no data available

INTERNATIONAL REGULATIONS: no data available

SECTION 16: OTHER INFORMATION

DISCLAIMER:

For R&D use only. The information on this data sheet represents data available at the time of writing and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified in the technical guidance literature. Any other use of the product, which involves using the product in combination with any other product or any other process, is the responsibility of the user.

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