

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Trade name PVDC - IXAN® SGA-1

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Uses of the Substance / Mixture**

- Adhesives and/or sealants
- Packaging
- Pharmaceuticals
- Paints & coating

**1.3 Details of the supplier of the safety data sheet****Company**

SOLVAY SPECIALTY POLYMERS USA, LLC  
4500 MCGINNIS FERRY ROAD  
30005-3914, ALPHARETTA  
USA  
Tel: +1-770-7728200  
Fax: +1-770-7728213  
Product information:  
+1-800-6214557

**1.4 Emergency telephone**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

**SECTION 2: Hazards identification**

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

**2.1 Classification of the substance or mixture****HCS 2012 (29 CFR 1910.1200)**

Combustible dust

May form combustible dust concentrations in air.

**2.2 Label elements****HCS 2012 (29 CFR 1910.1200)****Signal Word**

- Warning

**Hazard Statements**

- May form combustible dust concentrations in air.

**2.3 Other hazards which do not result in classification**

- None known.

**SECTION 3: Composition/information on ingredients****3.1 Substance**

- Not applicable, this product is a mixture.

**3.2 Mixture**

- Chemical nature Polymer

**Hazardous Ingredients and Impurities**

- No ingredients are hazardous.

**Non Hazardous Ingredients and Impurities**

Chemical Name	Identification number CAS-No.	Concentration [%]
Copolymer based on: 1,1-dichloroethylene / vinyl chloride	*****	>= 97

**SECTION 4: First aid measures****4.1 Description of first-aid measures****In case of inhalation**

- Remove to fresh air.

**In case of skin contact**

- Wash off with soap and water.
- Wash all protective clothing after use.

**In case of eye contact**

- Flush eyes with running water for several minutes, while keeping the eyelids wide open.

**In case of ingestion**

- If victim is conscious:
- Get medical attention.

**4.2 Most important symptoms and effects, both acute and delayed****In case of inhalation****Effects**

- May cause nose, throat, and lung irritation.

**In case of skin contact****Effects**

- May cause an allergic skin reaction.

**In case of eye contact****Effects**

- Dust contact with the eyes can lead to mechanical irritation.

**In case of ingestion****Effects**

- No reported cases of intoxication in man.

**4.3 Indication of any immediate medical attention and special treatment needed****Notes to physician**

- Indication of immediate medical attention and special treatment needed, if necessary

**SECTION 5: Firefighting measures**

<b><u>Flash point</u></b>	Not applicable
<b><u>Autoignition temperature</u></b>	> 1220 °F (> 660 °C), in layer
<b><u>Flammability / Explosive limit</u></b>	no data available

**5.1 Extinguishing media****Suitable extinguishing media**

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

- None.

**5.2 Special hazards arising from the substance or mixture**

- The product is not flammable.
- Product resists ignition and does not promote flame spread.
- Limited risk of dust explosion when mixed with air, but only under particular conditions (see section 9).
- Once started, a fire will tend to self extinguish (see section 9).
- Hazardous decomposition products formed under fire conditions.
- Gaseous hydrogen chloride (HCl).

**5.3 Advice for firefighters****Special protective equipment for fire-fighters**

- In the event of fire, wear self-contained breathing apparatus.
- Wear chemical resistant oversuit

**Further information**

- Avoid dust formation.
- After the fire, proceed rapidly with cleaning of surfaces exposed to the fumes in order to limit equipment damage.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****Advice for non-emergency personnel**

- Avoid dust formation.

**Advice for emergency responders**

- Use personal protective equipment.

**6.2 Environmental precautions**

- Should not be released into the environment.

- The product should not be allowed to enter drains, water courses or the soil.
- In case of accidental release or spill, immediately notify the appropriate authorities if required by Federal, State/Provincial and local laws and regulations.

### 6.3 Methods and materials for containment and cleaning up

- Pick up and arrange disposal without creating dust.
- Keep in properly labeled containers.
- Treat recovered material as described in the section "Disposal considerations".

### 6.4 Reference to other sections

- Refer to protective measures listed in sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Use electrically conductive materials for piping circuits and equipment.
- Take measures to prevent the build up of electrostatic charge.

#### Hygiene measures

- Handle in accordance with good industrial hygiene and safety practice.
- When using do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures/Storage conditions

- Keep in a well-ventilated place.
- Keep in a dry place.
- To maintain product quality, do not store in heat or direct sunlight.
- To avoid thermal decomposition, do not overheat.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Ensure all equipment is electrically grounded before beginning transfer operations.
- Avoid dust formation.
- Refer to protective measures listed in sections 7 and 8.
- Keep only in the original container.
- Keep at temperature not exceeding 40°C

#### Packaging material

##### **Suitable material**

- Store in corrosive resistant container with a resistant inner liner.
- Plastic material PP, PE, PVDF, PTFE, PFA.

##### **Unsuitable material**

- Aluminum
- Passivized aluminum
- Approved grades of HDPE.
- in cardboard box
- Conductive PE + carton
- glass
- Paper.
- wood.
- Do not use corrosive-sensitive materials.

### 7.3 Specific end use(s)

- Contact your supplier for additional information

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

### 8.1 Control parameters

- Contains no substances with occupational exposure limit values.

#### Components with workplace occupational exposure limits

Ingredients	Value type	Value	Basis
Particles not otherwise specified (PNOS)			National Institute for Occupational Safety and Health  Includes all inert or nuisance dusts, whether mineral, inorganic, not listed specifically in 1910.1000., See Appendix D - Substances with No Established RELs
Particles not otherwise specified (PNOS)	TWA	15 mg/m3	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants  Form of exposure : total dust All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.
Particles not otherwise specified (PNOS)	TWA	5 mg/m3	Occupational Safety and Health Administration - Table Z-1 Limits for Air Contaminants  Form of exposure : respirable fraction All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.
Particles not otherwise specified (PNOS)	TWA	10 mg/m3	American Conference of Governmental Industrial Hygienists  Form of exposure : Inhalable fraction
Particles not otherwise specified (PNOS)	TWA	3 mg/m3	American Conference of Governmental Industrial Hygienists  Form of exposure : Respirable fraction

### 8.2 Exposure controls

#### Control measures

##### **Engineering measures**

- Refer to protective measures listed in sections 7 and 8.
- Apply technical measures to comply with the occupational exposure limits.

#### Individual protection measures

**Respiratory protection**

- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Use NIOSH approved respiratory protection.
- Use only respiratory protection that conforms to international/ national standards.

**Hand protection**

- Wear suitable gloves.

**Eye protection**

- Dust proof goggles, if dusty.

**Skin and body protection**

- Long sleeved clothing

**Hygiene measures**

- Handle in accordance with good industrial hygiene and safety practice.
- When using do not eat, drink or smoke.

**SECTION 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.

**9.1 Information on basic physical and chemical properties**

<b><u>Appearance</u></b>	<b><u>Form:</u></b> powder <b><u>Physical state:</u></b> solid <b><u>Color:</u></b> white
<b><u>Particle size</u></b>	< 180 µm
<b><u>Odor</u></b>	characteristic
<b><u>Odor Threshold</u></b>	no data available
<b><u>pH</u></b>	Not applicable
<b><u>Melting point/range</u></b>	284 - 338 °F (140 - 170 °C)
<b><u>Boiling point/boiling range</u></b>	Not applicable
<b><u>Flash point</u></b>	Not applicable
<b><u>Evaporation rate (Butylacetate = 1)</u></b>	Not applicable
<b><u>Flammability (solid, gas)</u></b>	Product resists ignition and does not promote flame spread.  May form combustible dust concentrations in air.
<b><u>Flammability / Explosive limit</u></b>	<b><u>Explosiveness:</u></b> Risk of dust explosion.

<b><u>Autoignition temperature</u></b>	> 1220 °F (> 660 °C) in layer
<b><u>Vapor pressure</u></b>	Not applicable
<b><u>Vapor density</u></b>	no data available
<b><u>Density</u></b>	<b><u>Bulk density:</u></b> 450 - 1,000 kg/m3
<b><u>Solubility</u></b>	<b><u>Water solubility :</u></b> insoluble  <b><u>Solubility in other solvents:</u></b> Tetrahydrofuran : soluble
<b><u>Partition coefficient: n-octanol/water</u></b>	Not applicable
<b><u>Thermal decomposition</u></b>	> 302 °F (> 150 °C)
<b><u>Viscosity</u></b>	<b><u>Viscosity, dynamic :</u></b> Not applicable
<b><u>Explosive properties</u></b>	no data available
<b><u>Oxidizing properties</u></b>	Not considered as oxidizing.

**9.2 Other information**

<b><u>Dust explosion constant</u></b>	22 - 37 m.bar/s
<b><u>Minimum ignition energy</u></b>	> 1,000 mJ St1

**SECTION 10: Stability and reactivity****10.1 Reactivity**

- none

**10.2 Chemical stability**

- Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

- none

**10.4 Conditions to avoid**

- To avoid thermal decomposition, do not overheat.
- Exposure to sunlight.
- Exposure to moisture.
- Contamination

**10.5 Incompatible materials**

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- Fluorine

**10.6 Hazardous decomposition products**

- hydrochloric acid
- Carbon monoxide
- Particulates of carbon
- Phosgene

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

**Acute oral toxicity** no data available

**Acute inhalation toxicity** no data available

**Acute dermal toxicity** no data available

**Acute toxicity (other routes of administration)** no data available

**Skin corrosion/irritation** no data available

**Serious eye damage/eye irritation** no data available

**Respiratory or skin sensitization** no data available

**Mutagenicity**

**Genotoxicity in vitro** no data available

**Genotoxicity in vivo** no data available

**Carcinogenicity** no data available

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP  
IARC  
OSHA  
ACGIH

**Toxicity for reproduction and development**

**Toxicity to reproduction / fertility** no data available

**Developmental Toxicity/Teratogenicity** no data available



**STOT**

STOT-single exposure no data available

STOT-repeated exposure no data available

**Aspiration toxicity**

no data available

**Further information**

The product is biologically inert.

**SECTION 12: Ecological information**

12.1 Toxicity no data available

12.2 Persistence and degradability no data available

12.3 Bioaccumulative potential no data available

12.4 Mobility in soil no data available

12.5 Results of PBT and vPvB assessment Not applicable

12.6 Other adverse effects no data available

**Remarks**

Product is non-degradable.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product Disposal**

- Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations.
- Waste characterizations and compliance with applicable laws and regulations are the responsibility of the waste generator.
- For unused and uncontaminated product, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device or industrial landfill.

**SECTION 14: Transport information****DOT**

not regulated

**TDG**

not regulated

**NOM**

not regulated

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**IMDG**

not regulated

**IATA**

not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

**SECTION 15: Regulatory information****15.1 Notification status**

Inventory Information	Status
United States TSCA Inventory	- Listed on Inventory
Canadian Domestic Substances List (DSL)	- Listed on Inventory
Australia Inventory of Chemical Substances (AICS)	- Listed on Inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	- One or more components not listed on inventory
Korea. Korean Existing Chemicals Inventory (KECI)	- Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	- Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	- Listed on Inventory
New Zealand. Inventory of Chemical Substances	- Listed on Inventory
EU. European Registration, Evaluation, Authorisation and Restriction of Chemical (REACH)	- If product is purchased from Solvay in Europe it is in compliance with REACH, if not please contact the supplier.
Mexico INSQ (INSQ)	- One or more components not listed on inventory

**15.2 Federal Regulations****US. EPA EPCRA SARA Title III****Section 313 Toxic Chemicals (40 CFR 372.65)**

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.

**Section 302 Emergency Planning Extremely Hazardous Substance Threshold Planning Quantity (40 CFR 355)**

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

**Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)**

This material does not contain any components with a SARA 302 RQ.

**Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)**

This material does not contain any components with a section 304 EHS RQ.

**US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)**

This material does not contain any components with a CERCLA RQ.

**15.3 State Regulations****US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**SECTION 16: Other information****Further information**

- Product evaluated under the US GHS format.
- Distribute new edition to clients

**Date Prepared:** 05/26/2015

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- |         |   |
|---------|---|
| - TWA   | 8-hour, time-weighted average                             |
| - ACGIH | American Conference of Governmental Industrial Hygienists |
| - OSHA  | Occupational Safety and Health Administration             |
| - NTP   | National Toxicology Program                               |
| - IARC  | International Agency for Research on Cancer               |
| - NIOSH | National Institute for Occupational Safety and Health     |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.