



## Safety data sheet

Version: 1

Revision: 12/08/2020

### SECTION 1: Identification of the substance/mixture and of the company/ undertaking

#### 1.1 Product identifier

Trade name SURFATAS IXR-CYA

EINECS Number:

not listed

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Life cycle stages IS Use at industrial Sites

Application of the substance / the preparation:

Water treatment

Ion exchanger

Resin

Catalyst

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Surfatas Corporation

11515 Vanstory Drive Suite 120

Huntersville, NC 28078

Telephone:: 704 584-0009

fax: 704 584-0011

Informing department:

Product Safety Department

1.4 Emergency telephone number: 704 584-0009 (Business hours: 09:00-17:00)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified, according to the CLP regulation.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

#### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.1 Chemical characterisation: Substances

CAS No. Designation:

styrene-divinylbenzene-copolymer with dimethylamino groups in free base form

Identification number(s):

EC number: not listed

Dangerous components: Void

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Additional information AB-1, AB-1 UB

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Handle in accordance with good industrial hygiene and safe practices.  
Instantly remove any clothing soiled by the product.

**After inhalation** Supply fresh air; consult doctor in case of symptoms.

**After skin contact** Instantly wash with water and soap and rinse thoroughly.

##### After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

##### After swallowing

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

#### 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing agents

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**For safety reasons unsuitable extinguishing agents** Water with a full water jet.

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

Formation of toxic gases is possible during heating or in case of fire.

#### 5.3 Advice for firefighters

**Protective equipment:** Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions:** No special measures required.

#### 6.3 Methods and material for containment and cleaning up:

Collect mechanically.

Dispose of contaminated material as waste according to chapter 13.

#### 6.4 Reference to other sections

No dangerous materials are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling** No special precautions necessary if used correctly.

**Information about protection against explosions and fires:** Product is combustible

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

#### Storage

**Requirements to be met by storerooms and containers:** Store only in the original container.

#### Information about storage in one common storage facility:

Do not store with foodstuffs, animal feed and flammable materials.

**Further information about storage conditions:** Protect from frost.

**Recommended storage temperature:** 1-40 °C

**Storage class** 11

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see chapter 7.

### 8.1 Control parameters

#### Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists that were valid during the compilation were used as basis.

### 8.2 Exposure controls

#### Personal protective equipment

##### General protective and hygienic measures

In case of handling the product, careful hygienic measures are recommended.

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

##### Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

##### Protection of hands:



Protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

##### Material of gloves

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Eye protection:

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Tightly sealed safety glasses (EN 166)

Body protection: Protective work clothing: DIN EN 13034

### SECTION 9: Physical and chemical properties

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

##### General Information

##### Appearance:

|                  |                 |
|------------------|-----------------|
| Form:            | Solid           |
| Colour:          | Beige           |
| Smell:           | Amine-like      |
| Odour threshold: | Not determined. |

pH-value (- g/l) at 20 °C: ~7

##### Change in condition

|  |                |
|--|----------------|
| Melting point/freezing point:            | Not determined |
| Initial boiling point and boiling range: | Not determined |

Flash point: Not applicable

Inflammability (solid, gaseous) Not determined.

Ignition temperature: >250 °C

Decomposition temperature: Not determined.

Self-inflammability: Product is not selfigniting.

Explosive properties: Product is not explosive.

##### Critical values for explosion:

|        |                 |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

Vapour pressure: Not applicable.

Density Not determined

|                                   |                            |
|-----------------------------------|----------------------------|
| Settled apparent density at 20 °C | 685 ± 35 kg/m <sup>3</sup> |
| Relative density                  | Not determined.            |
| Vapour density                    | Not applicable.            |
| Evaporation rate                  | Not applicable.            |

Solubility in / Miscibility with  
Water: Insoluble

Partition coefficient: n-octanol/water: Not determined.

Viscosity:  
dynamic: Not applicable.

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|                              |  |
|------------------------------|--|
| <b>kinematic:</b>            | Not applicable.                            |
| <b>VOC/EC</b>                | 0.00 %                                     |
| <b>9.2 Other information</b> | No further relevant information available. |

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

#### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No hazardous decomposition products observed.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

#### LD/LC50 values that are relevant for classification:

**styrene-divinylbenzene-copolymer with dimethylamino groups in free base form**

Oral | LD50 | >2,000 mg/kg (rat)

#### Primary irritant effect:

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

#### Additional ecological information:

##### General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Contact manufacturer for recycling information.

Waste material must be disposed of in accordance with Directive 2008/98/EC as well as national and local regulations.

#### European waste catalogue

|           |   |
|-----------|---|
| 19 00 00  | WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE |
| 19 08 00  | wastes from waste water treatment plants not otherwise specified  |
| 19 08 06* | saturated or spent ion exchange resins  |
| HP 4      | Irritant - skin irritation and eye damage   |

#### Uncleaned packagings:

**Recommendation:** Disposal must be made according to official regulations.

## SECTION 14: Transport information

### 14.1 UN-Number

ADR/RID/ADN, ADN, IMDG, IATA

Void

### 14.2 UN proper shipping name

ADR/RID/ADN, ADN, IMDG, IATA

Void

### 14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class

Void

### 14.4 Packing group

ADR/RID/ADN, IMDG, IATA

Void

### 14.5 Environmental hazards:

not applicable.

### 14.6 Special precautions for user

not applicable.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable.

### Transport/Additional information:

Not dangerous goods according to the above regulations

### UN "Model Regulation":

Void



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### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

#### National regulations

**Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing data specification sheet:** Product Safety Department

#### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

GB