

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** XIRAN® SMA solution Ammonium salt
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
 - Binder
 - Dispersing agent, Dispersant
 - Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - Polyscope Polymers BV
 - Prins de Lignesstraat 28
 - NL-6161 CZ Geleen
 - The Netherlands
 - tel: +31 467500010
 - web: www.polyscope.eu
- **Further information obtainable from:** NOldeRiekerink@polyscope.eu
- **Emergency telephone number:** +31 6 12 980 978

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 - The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable
- **Information concerning particular hazards for human and environment:**
 - The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
 - The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
 - Observe the general safety regulations when handling chemicals.
 - The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**
 - Does not meet the specific criteria detailed in Annex XII of Regulation 1907/2006 and the substance is not considered a PBT.
- **vPvB:**
 - Does not meet the specific criteria detailed in Annex XII of Regulation 1907/2006 and the substance is not considered a vPvB.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:** Not applicable
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

Trade name: XIRAN® SMA solution Ammonium salt

(Contd. of page 1)

4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
NOTE: Mouth-to-mouth or mouth-to-nose resuscitation may be dangerous to the rescuer because of vapors present in the lungs.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Generally the product does not irritate the skin.
Immediately rinse with water.
Remove contaminated clothing and shoes.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Remove contact lenses
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **Information for doctor:**
After inhalation of decomposition in a fire, symptoms may be delayed. The victim must be under medical surveillance for 48 hours.
- **Most important symptoms and effects, both acute and delayed**
Dizziness
Nausea
Breathing difficulty
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
Carbon dioxide, carbon monoxide, low molecular weight (toxic) hydrocarbons, thick irritating smoke
Granulate is non-flammable, but in case of prolonged exposure to flame or high temperature, granules or moulded parts burn slowly with high smoke density.
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
Ammonia
- **Advice for firefighters**
- **Protective equipment:** Standard protective clothing for firefighters.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Do not breathe fumes.
Use suitable protective equipment (see Chapter 8).

(Contd. on page 3)

GB

Trade name: XIRAN® SMA solution Ammonium salt

(Contd. of page 2)

- **Environmental precautions:**
 - Prevent seepage into sewage system, workpits and cellars.
 - In case of seepage into the ground inform responsible authorities.
 - Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
 - No dangerous substances are released.
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**
 - Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:**
 - Store receptacle in fume cupboard.
 - Store in dry conditions.
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit 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 valid during the making were used as basis.
 - In case of a hazardous material with no controlled concentration limit, it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - The usual precautionary measures are to be adhered to when handling chemicals.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Do not inhale gases / fumes / aerosols.
 - Do not eat, drink, smoke or sniff while working.
 - Ensure good ventilation/exhaustion at the workplace.
- **Respiratory protection:**
 - Not necessary if room is well-ventilated.
 - Use suitable respiratory protective device in case of insufficient ventilation.

(Contd. on page 4)

Trade name: XIRAN® SMA solution Ammonium salt

(Contd. of page 3)

· Protection of hands:

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 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.

· Eye protection:

Tightly sealed goggles

· Limitation and supervision of exposure into the environment

Prevent entering into surface- and ground water.

9 Physical and chemical properties

· Information on basic physical and chemical properties**· General Information****· Appearance:**

Form:	Fluid
Colour:	Transparent
· Odour:	Ammonia-like
· Odour threshold:	Not determined.

· pH-value: 8.8 -11.0

· Change in condition

Melting point/Melting range:	0°C
Boiling point/Boiling range:	100°C

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature:

Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure at 20°C: 23 hPa

· Density: 1.03 - 1.10 g/cm³

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Fully miscible.

(Contd. on page 5)

Trade name: XIRAN® SMA solution Ammonium salt

(Contd. of page 4)

- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic at 20°C:** max. 500 mPas
 - **Kinematic:** Not determined.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Avoid temperatures above 40°C.
- **Incompatible materials:** Avoid contact with: strong acids, alkalis and oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** No irritating effect.
- **Respiratory tract:** Slightly irritating.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Product is not considered to be carcinogenic, mutagenic or reprotoxic.

12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:**

Does not meet the specific criteria detailed in Annex XII of Regulation 1907/2006 and the substance is not considered a PBT.
- **vPvB:**

Does not meet the specific criteria detailed in Annex XII of Regulation 1907/2006 and the substance is not considered a vPvB.
- **Other adverse effects** No further relevant information available.

GB

(Contd. on page 6)

Trade name: XIRAN® SMA solution Ammonium salt

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
After prior treatment product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste.
- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** Not applicable
- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Not applicable
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Not applicable
- **Packing group**
- **ADR, IMDG, IATA** Not applicable
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

15 Regulatory information

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet with information from the manufacturer.

The information, data and recommendations are made to the best ability and obtained from reliable sources. Completeness is not guaranteed. This MSDS is intended only as a guideline for the treatment of XIRAN® products and provides no guarantee of product properties or contractual agreements. It remains the responsibility of the user to meet local and national legislation.

- **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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals