

# SAFETY DATA SHEET

Edited according to Regulation (EU) No 453/2010

Trade name: PLAST RETARD L

Revision date: 01/06/2015

Version: 8



**SICIT 2000** s.p.A.

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## SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

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### 1.1 Product identifier

Substance name: Mixture of degraded polyamides salified with sodium.

Commercial name of the product: PLAST RETARD L (Commercial code IEPPL00000)

Substance definition: Chemically modified natural polymer.

REACH status: exempted.

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

**Use of the substance:** Gypsum setting retarder.

**Relevant identified uses:**

The product is intended for industrial use, for professional use, for research, analysis and scientific education.

**Uses advised against:**

Particular uses advised against do not exist for this substance.

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

**Supplier:**

SICIT 2000 S.p.A. (manufacturer) Via Arzignano 80 I-36072 Chiampo (VI)

Phone +39 0444 450946 Fax +39 0444 677180

**E-mail address competent person responsible for the safety data sheet:**

[sds@sicit2000.it](mailto:sds@sicit2000.it)

### 1.4 Emergency telephone number

+39 0444 450946 working hours only

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## SECTION 2. HAZARD IDENTIFICATION

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### 2.1 Classification of the substance according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]:

Not classified. Not hazardous substance.

### 2.2 Label elements: No hazard indications.

### 2.3 Other hazards:

Adverse physicochemical effects and adverse health effects:

None.

Adverse environmental effects:

None.

Other adverse effects:

None.

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## SECTION 3. COMPOSITION/INFORMAZIONI ON INGREDIENTS

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### 3.1 Main constituent:

Mixture of degraded polyamides salified with sodium in aqueous solution.

Chemically modified natural polymer in aqueous solution.

**Hazardous impurities:** None.

**Other information:** None.

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## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General notes

There are not predictable hazardous effects in the normal use of the substance but some instructions must be followed.

#### After inhalation:

If breathed, move person from danger area and provide for fresh air and seek medical advice.

If not breathing give artificial respiration.

#### After skin contact:

Wash with clean water and if irritation occurs contact a physician.

#### After eye contact:

Rinse for 15 minutes with copious quantities of clean water keeping the eyelids well open in order to assure an adequate rinsing and seek medical advice.

#### After swallowing:

Rinse out the mouth with copious quantity of water and seek medical advice.

Never give anything by mouth to an unconscious person.

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

No remarkable particular symptoms and effects.

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

No remarkable particular indication.

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## SECTION 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Appropriate extinguishing media:

Take into account the materials present in its vicinity. In the case of fire due to nearby materials, water, foam, dry chemicals or carbon dioxide can be used.

#### Unsuitable extinguishing media:

None known.

### 5.2 Special hazards arising from the substance

In case of fire due to nearby materials, the product could emit pungent and stifling smokes.

### 5.3 Advice for firefighters

Coordinate extinguishing measures taking into account local and environment circumstances. Use respiratory protection equipment that supplies air from an independent source (auto-respirator) and suitable protective clothing.

### 5.4 Other information

Avoid to flush the water used for the extinguishing in surface-water.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Obey reasonable safety precautions using protective gloves, safety glasses and suitable clothing and practice according to good hygiene and manufacturing procedures keeping precautionary measures against the forming of inhalable aerosols/dust.

### 6.2 Environment precautionary measures

Collect the product for the re-use how much is possible and limit the pouring area; do not introduce the product and waste into sewage and surface water but into sewage facilities that feed a biological waste water treatment plant or into a container for disposal and dispose in accordance to the legislation in force.

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

Wash with water.

### 6.4 Reference to other sections: Further information on exposure controls/personal protection equipment and further disposal considerations are reported in sections 8 and 13 of this safety data sheet.

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## SECTION 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

#### Personal protection measures:

Obey reasonable safety precautions and practise according to good industrial personal hygiene and good occupational practice using suitable safety glasses and suitable protective gloves and clothing. There are no particular rules if the product is properly used.

#### Firefighting precautionary measures:

On the basis of current knowledge, the handling of the product doesn't present particular hazards.

#### Measures to prevent aerosol and dust generation:

Use the product according to good manufacturing procedures.

#### Measures for environment protection:

Use the product following the suggested precautions and procedures.

#### General occupational hygiene recommendations:

Do not eat, drink and smoke in work areas.

Wash hands after use. Remove clothing and protective equipment before entering eating areas.

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

Store the product in clean and suitable sealed containers in suitable places in order to maintain unchanged the original characteristics of the product.

### 7.3 Specific end use(s)

There are no particular rules to follow.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

#### **Occupational exposure limit values:**

There are not occupational exposure limit values for this substance.

#### **Biological limit values:**

There are not biological limit values for this substance.

### 8.2.1 Exposure controls

#### Appropriate engineering controls:

The premises where the product is stored/used must be adequately ventilated and fresh.

Obey reasonable safety precautions and practise according to good industrial personal hygiene follow good personal hygiene and good working practice rules using appropriate personal protective equipment in accordance to the Directive 89/686/EEC and D.Lgs.475/92- UNI standards according to the specific work situation.

### 8.2.2 Personal protective equipment:

Eye/face protection: protective goggles (reference EN 166 standard) depending on working situation according to good industrial practice .

Hand protection: work gloves category II (reference EN 374 standard) by PVC, neoprene, nitrile or equivalent. For the appropriate choice evaluate permeation, degradation, drilling time in relation to the specific work activity which determines the wear according to general good industrial practice.

Skin protection: work clothes for professional use of category II (Reference EN 344 standard) according to general good industrial practice.

Respiratory protection: wear a mask with filter type B or universal type (1,2 or 3) if required for particular and specific working situations (reference EN 141 standard) according to general good industrial practice.

No additional arrangements and particular hygiene measures are provided.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Aspect:	brown coloured liquid
Odour:	characteristic
pH relative to 10% w/w solution:	7,0-8,5
Dry substance:	43-45 % w/w
Water:	55-57 % w/w
Density:	1,22-1,25 g/mL
Solubility in water (20°C in g/l):	total

### 9.2 Other information:

Available on request.

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** The product doesn't present hazards due to its reactivity.

**10.2 Chemical stability:** The product is stable in the normal storage conditions. The product is stable if stored in closed and clean container and handled in the suggested conditions.

**10.3 Possibility of hazardous reactions:** No particular situations must be remarked.

**10.4 Conditions to avoid:** Avoid thermal shocks for the possibility to cause crystallization and avoid storing at temperature > 30° and < 4 °C for the difficult handling due to increased viscosity. With the passing of time, a slight sediment may be formed without prejudicing the quality of the product.

### 10.5 Incompatible materials:

Strong oxidizing agents due to the possibility to realize exothermic reactions.

### 10.6 Hazardous decomposition products:

None in the normal storage conditions.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

On the basis of the results, interpreted according to OECD No 420 dated 17th December 2001, the product is included in the category 5 of the GHS classification and consequently NON TOXIC. On the basis of the results, interpreted according to Italian Ministerial Decree dated April 28, 1997, the product is classified NOT IRRITANT FOR EYES AND SKIN.

Studies relative to genetic and reproduction toxicity were not performed. Considering the constituents, particular effects can be excluded.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Data relative to toxicity obtained by performed tests on aquatic and/or terrestrial organisms are not available.

### 12.1 Persistence and degradability

On the basis of the obtained results, interpreted according to OECD guidelines No.301/1992 and ISO 14593/1999 and Regulation EC No. 648/2004, the product is biodegradable in aerobic conditions. It is necessary to prevent the dispersion into ground and surface waters without a biological waste water treatment. Use a correct letting of diluted product in suitable biological treatment plant in order to avoid difficulties relative to active sludge degradation.

### 12.3 Bioaccumulative potential

Not pertinent.

### 12.4 Mobility in soil

The product is completely biodegradable but if present in copious quantities can pollute ground and surface water, it may cause temporarily alterations in the point of dispersion. It is necessary to prevent the dispersion of the product into ground and surface waters.

### 12.5 Results of PBT and vPvB assessment

Not pertinent.

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## 12.6 Other adverse effects

There are not particular negative effects on environment.

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## SECTION 13. DISPOSAL CONSIDERATIONS

Act according to local and national law prescriptions.

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## SECTION 14. TRANSPORT INFORMATION

The product must be transported according to national, European and international regulations for not hazardous substances.

**14.1 UN number :** Not applicable.

**14.2 UN proper shipping name:** Not applicable.

**14.3 Transport hazard class:** Not applicable.

**14.4 Packing group:** Not applicable.

**14.5 Environmental hazards:** Not applicable.

**14.6 Special precautions for users:** Not subjected to particular regulations.

**14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:**

Transport in bulk is not performed.

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## SECTION 15. REGULATORY INFORMATION

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

The substance is not subjected to specific community prescriptions in accordance to health and environment protection.

### 15.2 Chemical safety assessment

A chemical safety report was not performed.

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## SECTION 16. OTHER INFORMATION

### 16.1 Source of information

Exemption of hydrolysed proteins from registration under the REACH Regulation, Joint Position Paper, Centro Reach S.r.l., Milan, Italy, September 2012  
ECHA web site.

Valutazione tossicologica. Sostanza in esame Plast Retard L. Rapporto finale N.02.21506, Biolab Spa, 20090 Vimodrone (MI), 4 Febbraio 2003.

Valutazione della Biodegradabilità Aerobica, Sostanza in esame Plast Retard L, Rapporto 2008/243 AM, Biolab Spa, 20090 Vimodrone (MI), 6 maggio 2008.

### 16.2 Extended risk phrases reported in sections 2 and 3

No risk phrases are reported.

### 16.3 Revisions

Safety data sheet rev 7 453/2010/EU dated 30/11/12: revision of all sections in conformity to Regulation 453/2010/EC.

Safety data sheet rev 8 453/2010/EU dated 01/06/15: revision of section 1.1, 2.1, 5.3, 8.2, 16.1 and 16.3.

### 16.4 Acronyms

CLP: Classification, Labelling and Packaging

EC: European Community

ECHA: European Chemicals Agency

EEC: European Economic Community

EINECS: European Inventory of Existing Commercial Chemical Substances

EU: European Union

GHS: Globally Harmonised System

ISO: International Organization for Standardization

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OECD: Organisation for Economic Co-operation and Development

PBT: Persistent, bioaccumulative and toxic

REACH: Registration Evaluation Authorization and Restriction of Chemicals

UN: United Nations

vPvB: Very persistent very bioaccumulative

## 16.5 Other information

The statements submitted in this safety data sheet are based on our current knowledge and experience, as accurate and complete as possible, but they are given in good faith and for information only. The information reported in this safety sheet is intended to give you advice about the safe handling of the product, for storage, processing, transport and disposal.

The information can not be transferred to other products. In the case of mixing the product with other products or in the case of further processing, the information reported in this safety data sheet is not necessarily valid for the new made-up material. The user must ensure that the information is appropriate and complete in the case of particular uses.

This product should be stored, handled and used in accordance with good hygiene practice and in accordance with legal regulations.

The data given here do not signify any warranty with regard to particular properties.

This safety data sheet replaces all previous versions/information.

**This product is not hazardous and therefore a safety data sheet is legally not obligatory to be delivered to each recipient. The form to communicate safety information by safety data sheet is broadly known and for this reason the safety information is communicated using this format.**