

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 06.19.2012

Version: 1

Revision: 07.30.2013

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

• **1.1 Product identifier**

• **Trade name:** DYNASAN 118

• **CAS Number:**

555-43-1

• **EC number:**

209-097-6

• **Registration number:**

This substance has (All substances contained in this preparation have) been pre-registered according to regulation (EC) No. 1907/2006 in its current version. A registration is intended.

• **1.2 Relevant identified uses of the substance or mixture and uses advised against: -**

• **Uses advised against: -**

• **Application of the substance / the preparation:**

Raw material for industrial applications

Cosmetic raw material

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

• **Supplier/Manufacturer:**

Peter Cremer North America

3117 Southside Avenue

Cincinnati, OH 45204

USA

Tel: (513) 471-7200

Toll: (877) 901-7262

Fax: (513) 244-7775

• **Information department:** See supplier/manufacturer

• **1.4 Emergency telephone number:**

CHEMTREC: 1-800-424-9300 (US and Canada) | 1-703-527-3887 (For calls originating elsewhere)

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.

• **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** not applicable

• **Information concerning particular hazards for human and environment:**

According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

• **Additional information:**

Product is not explosive. However, formation of explosive air/dust mixtures is possible.

Product forms slippery surface when combined with water.

• **2.2 Label elements**

• **Labeling 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

Safety data sheet
according to 1907/2006/EC, Article 31

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Trade name: DYNASAN 118

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Substances**
- **CAS No. Description:**
555-43-1 Glycerol tristearate
- **Identification number(s):**
- **EC number:** 209-097-6
- **INCI:** Tristearin

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** If symptoms persist or in case of doubt, seek medical advice.
- **After inhalation:** Supply fresh air; consult a doctor in case of pain.
- **After skin contact:**
Wash with water and soap.
If symptoms persist, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse mouth with water. Do not induce vomiting.
Never give anything by mouth to an unconscious person. 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** Symptomatic treatment

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Carbon dioxide (CO₂)
Extinguishing powder
Foam
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** High volume water jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Noxious gases/vapors
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Product forms slippery surface when combined with water. Avoid formation of dust. Wear protective clothing.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Avoid any dust formation. Pick up with a tested and approved industrial vacuum cleaner if necessary.

(Contd. on page 3)
GB

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 06.19.2012

Version: 1

Revision: 07.30.2013

Trade name: DYNASAN 118

(Contd. of page 2)

Make sure to recycle or dispose of in suitable receptacles.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment. See

Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

- **Information about protection against explosions and fires:**

Dust can combine with air to form an explosive mixture.



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Observe the general rules of industrial fire protection.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store container tightly sealed at a cool and dry place with sufficient ventilation.

- **Information about storage in one common storage facility:**

Store away from foodstuffs. Store away from feed.

- **Further information about storage conditions:** None

- **Storage class:** 11 Combustible solids

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

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** Install appropriate mechanical ventilation.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:** Not required

- **Additional information:**

Observe general threshold limit for dust.

The lists that were valid during the creation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Use skin protection cream for skin protection.

Vacuum contaminated clothing. Do not blow or brush off contamination.

- **Breathing equipment:**

Not required under normal use

At formation of dust:

Short term filter device:

Filter P1 Filter P2

Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

- **Protection of hands:**

Chemical resistant gloves

(Contd. on page 4)
GB

SAFETY DATA SHEET

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 06.19.2012

Version: 1

Revision: 07.30.2013

Trade name: **DYNASAN 118**

(Contd. of page 3)

The glove material has to be impermeable and resistant to the product/substance/preparation.

Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture.

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

• **Material of gloves:**

For undissolved solid substances following materials may be suitable:

nitrile rubber (NBR), butyl rubber (BR), fluorocarbon rubber (FKM) and polychloroprene rubber (CR)

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.

• **Penetration time of glove material:**

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

• **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

(Thickness: 0.35 mm; Permeation time: 480 minutes)

Butyl rubber, BR

(Thickness: 0.5 mm; Permeation time: 480 minutes)

• **Eye protection:** Safety glasses

• **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

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

• **General Information:**

• **Appearance:**

| | |
|-----------------|-----------------|
| Form: | Solid Flakes |
| Color: | White |
| Odor: | Neutral |
| Odor threshold: | Not determined |

• **pH-value:** Not applicable

• **Change in condition:**

| | |
|------------------------------|----------------|
| Melting point/Melting range: | ~70°C |
| Boiling point/Boiling range: | Not determined |

• **Flash point:** Not applicable

• **Flammability (solid, gaseous):** Not determined

• **Ignition temperature:**

Decomposition temperature: Not determined

• **Self ignition temperature:** Product is not self-igniting.

• **Danger of explosion:** Product is not explosive. However, formation of explosive air/dust mixtures is possible.

• **Explosion limits:**

| | |
|--------|----------------|
| Lower: | Not applicable |
| Upper: | Not applicable |

• **Oxidizing properties:** None

• **Vapor pressure:** Not applicable

| | |
|-------------------|-------------------------|
| Density at 20°C: | ~0.95 g/cm ³ |
| Relative density: | Not determined |
| Vapor density: | Not applicable |
| Evaporation rate: | Not applicable |

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date: 06.19.2012

Version: 1

Revision: 07.30.2013

Trade name: DYNASAN 118

(Contd. of page 4)

| | |
|---|---|
| • Solubility in / Miscibility with Water: | Practically insoluble |
| • Partition coefficient (n-octanol/water): | Not determined |
| • Viscosity: | |
| dynamic: | Not applicable |
| kinematic: | Not applicable |
| • 9.2 Other information | No further relevant information available |

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid**
 - Heat
 - Dirt
 - Chemical contamination
 - Sunlight, UV or ionizing radiation
- **10.5 Incompatible materials:** No further relevant information available
- **10.6 Hazardous decomposition products:**
 - No hazardous decomposition products if instructions for storage and handling are followed

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
 - Oral LD₅₀ >2000 mg/kg (rat) (OECD 401)
 - Dermal LD₅₀ >2000 mg/kg (rat) (OECD 402)
- **Primary irritant effect:**
- **on the skin:** No irritating effect species: rabbit OECD test 404
- **on the eye:** No irritating effect species: rabbit (eye) OECD test 405
- **On respiratory tract:** No data available
- **Sensitization:**
 - No sensitization species: guinea pig OECD 406 (Buehler Test)
- **Other information (about experimental toxicology):**
 - Ames-test: negative
 - Mutagenicity (Salmonella typhimurium): negative OECD 471
- **Carcinogenic, mutagenic effects and adverse effects on reproduction:** No data available
- **Subacute to chronic toxicity:**
- **STOT-single exposure** No classification
- **STOT-repeated exposure:** No data available
- **Aspiration hazard** Not relevant
- **Additional toxicological information:** The substance is not subject to classification according to the latest version of the EU lists.

GB
(Contd. on page 6)

SAFETY DATA SHEET

Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 06.19.2012

Version: 1

Revision: 07.30.2013

Trade name: DYNASAN 118

(Contd. of page 5)

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
In the range of water solubility not toxic under test conditions.
In analogy to similar product
- **12.2 Persistence and degradability** No further relevant information available
- **Other information:** The product is biodegradable.
- **12.3 Bioaccumulative potential** Not significantly accumulating in organisms.
- **BCF:**
3.16
(calculated)
- **12.4 Mobility in soil** strong Adsorption on the ground
- **Adsorption coefficient Koc:**
log Koc 14.036
(calculated)
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **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:** Disposal according to instructions of local authorities
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

| | |
|---|----------------|
| • 14.1 UN-Number | |
| • ADR, ADN, IMDG, IATA | Void |
| • 14.2 UN proper shipping name | |
| • ADR, ADN, IMDG, IATA | Void |
| • 14.3 Transport hazard class(es) | |
| • ADR, ADN, IMDG, IATA | |
| • Class | Void |
| • 14.4 Packing group | |
| • ADR, IMDG, IATA | Void |
| • 14.5 Environmental hazards: | |
| • Marine pollutant: | No |
| • 14.6 Special precautions for user | Not applicable |
| • 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable |

(Contd. on page 7)

GB

SAFETY DATA SHEET

Safety data sheet according to 1907/2006/EC, Article 31

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Trade name: DYNASAN 118

(Contd. of page 6)

• UN "Model Regulation": -

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:**
Generally not hazardous for water
According to VwVw from 27.7.2005
Ident number.: 760
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Department issuing MSDS:**
Peter Cremer North America
3117 Southside Avenue
Cincinnati, OH 45204
USA
Tel: (513) 471-7200
Toll: (877) 901-7262
Fax: (513) 244-7775
- **Contact:** Sarah Keyes
- **Abbreviations and acronyms:**
ADR: 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 Harmonized System of Classification and Labeling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

GB

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