

SAFETY DATA SHEET

DURETHAN B 29 000000

Version 1.1 Revision Date: 09/11/2019 SDS Number: 103000009340 Date of previous issue: 04/24/2018
Country / Language: US / EN

Pennsylvania Right To Know

Polyamide 6 25038-54-4 95 - 100

California Prop. 65

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

TSCA inventory

TSCA : On TSCA Inventory

TSCA list

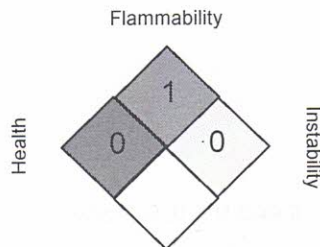
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS® IV:

HEALTH	/	0
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

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This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of our knowledge. The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. We assume no legal responsibility for use of or reliance upon the information in this SDS.

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tion Act

er, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Disposal methods : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls. Empty containers retain product residue; observe all precautions for product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**Domestic regulation****DOT**

Not regulated as a dangerous good

International Regulations**IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION**CERCLA**

None

Reportable Quantity

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

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards**SARA 313**

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.

US State Regulations**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

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Carcinogenicity

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Further information

Product:

Remarks: Under the recommended processing conditions small amounts of emitted substance (e.g. residual monomers, residual solvents, decomposition products) may be discharged. According to our experience and information the product has no harmful effects on health if properly handled.

The substance(s) listed in Chapter 3 is/are encapsulated in this preparation in a polymer and is/are therefore not bioavailable.

In individual cases intensive contact of the unprotected skin with rough surfaces of glass-fibre-reinforced plastics may lead to irritation.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : The product is practically insoluble in water. In view of its consistency and insolubility in water, no ecological problems are to be expected if the product is properly handled. This product is not readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

RCRA - Resource Conservation and Recovery Authoriza- : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. Howev-

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flammability limit

Lower explosion limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Relative density : No data available

Density : 1.14 g/cm³ (68 °F (20 °C))

Bulk density : 700 kg/m³

Solubility(ies)
Water solubility : insoluble

Partition coefficient: n-octanol/water : No data available

Ignition temperature : > 572 °F (> 300 °C)

Decomposition temperature : > 572 °F (> 300 °C)

Viscosity : No data available

Explosive properties : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : At processing temperatures above 220C caprolactam may be released at concentrations less then 0.7 m/m3.

SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

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Personal protective equipment

- Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hand protection
 Material : Gloves
 Material : When handling hot material, use heat resistant gloves.
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Wear work clothing including long pants and long-sleeve shirts.
- Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
 Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
 Appropriate techniques should be used to remove potentially contaminated clothing.
 Ensure that eyewash stations and safety showers are close to the workstation location.
 Wash contaminated clothing before reusing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : solid
- Appearance : granular
- Odor : odorless
- Odor Threshold : No data available
- pH : No data available
- Melting point/range : 432 °F (222 °C)
- Boiling point/boiling range : No data available
- Flash point : > 482 °F (> 250 °C)
 Method: closed cup
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit / Upper : No data available

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Do not touch or walk through spilled material.
 Evacuate personnel to safe areas.
 Provide adequate ventilation.
 Put on appropriate personal protection equipment.

Environmental precautions : No special environmental precautions required.

Methods and materials for : Move containers from spill area.
 containment and cleaning up : Vacuum or sweep up material and place in a designated, labeled waste container.

Vacuum or sweep up material and place in a designated, labeled waste container.
 If molten, allow material to cool and place into an appropriate marked container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
 Provided good ventilation and/or local exhaust systems are used, the Occupational Exposure Limit(s) stated in Chapter 8 should not be exceeded.
 Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
 At processing temperatures above 220C caprolactam may be released at concentrations less than 0.7 m/m3.

Conditions for safe storage : Do not store in unlabeled containers.
 Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.
 Store in accordance with local regulations.
 Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.
 Do not store in unlabeled containers.
 Use appropriate container to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.

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- air.
Get medical attention if symptoms occur.
- In case of skin contact : Cool skin rapidly with cold water after contact with molten material.
Do not remove solidified product.
Get medical attention if thermal burn occurs.
- In case of eye contact : Flush eyes with water as a precaution.
- If swallowed : No special actions required.

Most important symptoms and effects, both acute and delayed

- Symptoms : Skin: Reddening, burning, and possible permanent damage.
- Effects : Contact with hot material causes thermal skin burns.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO₂.
- Unsuitable extinguishing media : Do NOT use water jet.
- Specific hazards during fire fighting : Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
- Hazardous combustion products : Carbon dioxide (CO₂)
Carbon monoxide
Nitrogen oxides (NO_x)
- Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.
No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Hazard of slipping on spilled product.
Melt: where there is a risk of exothermal decomposition as a result of overheating (rise in temperature, formation of fumes or smoke) cool the melt in a water bath
Keep unnecessary and unprotected personnel from entering.

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SECTION 1. IDENTIFICATION

Product name : DURETHAN B 29 000000
Material number : 00252104
Recommended use : Engineering plastics

Manufacturer or supplier's details

Supplier : LANXESS Corporation
Product Safety & Regulatory Affairs
111 RIDC Park West Drive
PittsburghPA 15275-1112
USA
Telephone : +1800LANXESS
+14128091000 (international)
Emergency telephone : CHEMTREC (800) 424 9300
International (703) 527 3887
Lanxess Emergency Phone (800) 410-3063

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).

The polymer is not hazardous in the form in which it is placed on the market as long as the hazardous component is included in the polymer matrix.

GHS label elements

The polymer is not hazardous in the form in which it is placed on the market as long as the hazardous component is included in the polymer matrix.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Chemical nature : polyamide 6, unreinforced
CAS-No. : 25038-54-4

Hazardous ingredients

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

General advice : Show this safety data sheet to the doctor in attendance.
Move out of dangerous area.
Do not leave the victim unattended.
If inhaled : If inhalation of melt processing fumes occurs, remove to fresh

LANXESS Corporation /111 RIDC Park West Drive/Pittsburgh, PA 15275-1112

Synthetic Turf Resources Corporation
421 Callahan Road SE
Dalton GA 30721-4904

Safety Data Sheet for your order

08/13/2020

Dear Sir or Madam,

Enclosed is the Safety Data Sheet(s) for the product(s) that you recently ordered. Communication of the Health and Safety information in a Safety Data Sheet (SDS) is an important part of the LANXESS Product Safety Program. We provide this information to our customers and encourage them to become familiar with the content of the SDS and the laws pertaining to its use in the workplace. A new SDS will be mailed to you at the time of your re-order if the SDS is revised. All chapters in the SDS which have been changed since the last version are marked.

LANXESS Corporation
Product Safety and Regulatory
Affairs
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112
USA

Phone (800) LANXESS
International +1 412 809 1000
lanxesshes@lanxess.com
www.us.lanxess.com

We believe that the attached information will satisfy all of your health and safety requirements. Should you need additional health and safety information, please contact the Product Safety Department at the telephone number listed on the SDS.

If you obtained this letter by mail and you are interested in receiving our Safety Data Sheets via e-mail in the future, please send your e-mail address together with the customer number listed below to lanxesshes@lanxess.com:

Reference number: 3000080534

Yours faithfully
LANXESS Corporation
Product Safety & Regulatory Affairs

This letter is not signed by hand as it was produced electronically.

Products

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Code

252104