

MATERIAL SAFETY DATASHEET

Revision date : 19/02/2024 / Version : 01

Dural 620 PU- Part A



EUCLID CHEMICAL

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PRODUCT AND OF THE COMPANY

Product Name	Dural 620 - Part A
Recommended use	Flexible Polyurethane Injection Foam for Permanent Stoppage Of Water Leakage
Supplier	Stoncor Middle East L.L.C. P.O. Box: 3034, Dubai, UAE
Telephone	Tel: +971 4 347 046
Website	www.stoncor-me.com

SECTION 2: HAZARD(S) IDENTIFICATION:

EMERGENCY OVERVIEW: The presence of Amine catalyst is giving an ethereal and faint sweetish odor. Overexposure may cause dizziness and consequently loss of concentration. In confined spaces, vapors displace air and can cause asphyxiation.

Classification of the Product:

Physical Hazard	Not classified
Health Hazard	Serious Eye Damage/eye irritation Category 2B
Hazard Pictogram	None/Not classified
Emergency Overview	Harmful if swallowed. Causes eye irritation. Causes mild skin irritation.
Environmental Hazard	Not classified
OSHA defined hazards	Not classified
Label elements	
Hazard Pictogram/Symbol	None/Not classified
Signal word	Warning
Hazard Statements:	
Eyes	
Skin	H319 - Contact with eyes causes irritation.
Inhalation	Contact with skin may cause mild irritation. Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion	
Material name: POLYREX SP 30/10	Health injuries are not known

Prevention	Wash hand/any part of the body that comes in contact with the product.
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Response	In case of eye contact, rinse eyes cautiously with water for 5 to 15 minutes depending on the severity of eye contact. Contact lenses must be removed if they are present. Continue rinsing. Get medical advice if eye irritation persists.
Precautionary Statements	P233 - Keep container tightly closed

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product Composition	CAS Number	%
Mixture of high-functionality Polyether and Polyester Polyols	52625-13-15	75 - 85
	9049-71-2	
	25214-63-5	
32472-85-8		
Mixtures of Tertiary Amine Catalysts, Surfactant and Water	67674-67-3	5-8
	3033-62-3	
	15875-13-5	

SECTION 4: FIRST AID MEASURES

First aid measures general	Never give anything by mouth to an unconscious person. If feeling unwell, seek medical advice (show the label where possible).
First aid measures after inhalation	When symptoms occur: go into open air area and ventilate the suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Skin contact	After contact with skin, wash immediately with plenty of water and soap, call a doctor if necessary..
Eye Contact	Contamination of the eyes must be treated by thorough irrigation with water, with eyelids held open. Liquid contact will irritate eye and may cause conjunctivitis. A doctor or eye specialist should be consulted.
Swallowing Inhalation	Rinse mouth. Do not induce patient to vomit, medical advice is required. Provide supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Indication of any immediate medical attention and special treatment needed
General Information	If medical advice is needed, have product container or label at hand to ensure that the medical personnel are aware of the material(s) involved, to take the necessary precautions to protect themselves
Advice to Physician	Catecholamine drugs such as epinephrine (adrenaline) should be used with caution due to the possible disturbances of cardiac rhythm. Treatment of

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SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Carbon dioxide, foam, dry powder: In case of large fires, water spray should be used. Choose the one most appropriate for type of surrounding fire.

FLAMMABLE PROPERTIES

FLASH POINT

None

Autoignition temperature
Flame propagation rate

550°C

Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS

Product will decompose at temperatures above 250°C. Decomposition products include hydrochloric acid, hydrofluoric acid, and carbonyl halides, such as phosgene. Contact with certain finely divided metals may cause exothermic reaction and/or explosive combinations.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:

Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

September 26,20

Full protective equipment, including self - contained breathing apparatus should be used. Persons without proper protection must not be allowed in the spill area. Good ventilation must be provided if the spill is indoors. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled materials unless appropriate personal protective equipment (PPE) is worn. If significant spillages cannot be contained, local authorities must be advised immediately.

Environmental precautions Methods and material(s) for containment and cleaning up

Prevent entry to sewers and public waters or onto the ground.

Large spills: Stop the flow of the material if there is no risk and contain the spilled material. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillages onto an inert, non-flammable carrier (such as earth or sand). Shovel into open top drums or plastic bags for further decontamination, if necessary. Wash and clean spillage area with decontaminant. Disposal should be done either by incineration (at an authorized facility) or by land filling in accordance with Central, State and Local regulations.
Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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Reference to other sections

Preparation of Decontamination Solution: Prepare a decontamination solution of 0.2 – 0.5% liquid detergent and 5 – 10% sodium carbonate solution.
Refer to Section 8 of the SDS for personal protection details and Section 13 of the SDS for proper waste disposal

SECTION 7: HANDLING AND STORAGE

Handling	Observe the usual precautionary measures for chemicals. Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment (PPE).
Hygiene measures	Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.
Storage	Keep container tightly sealed and dry. Keep separated from foodstuffs, drinks and tobacco. Avoid storing the product to temperature above 3

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>ENGINEERING CONTROLS</u>	Use local exhaust at filling zones and where leakage is possible. Storage areas must be provided with sufficient ventilation. All ventilations should be designed in accordance with OSHA standard (29CFR 1910.94)
<u>PERSONAL PROTECTIVE EQUIPMENT</u>	
Skin protection:	Use protective gloves such as PVA, neoprene or durafab (MYLAR-coated). Use full protective clothing if there is repeated or prolonged contact of the product with skin. For normal conditions, wear safety glasses. Wear splash-proof goggles if there is possibility of liquid contact.
Eye protection:	If adequate ventilation is provided, respiratory protection may no longer be required. Use NIOSH approved self-contained, positive pressure respirators for emergencies and in situations where air may be displaced by vapors.
Respiratory protection:	
Additional recommendations:	High dose-level warning signs are recommended for areas where there could be major exposure to the material. Eyewash stations and quick drench shower facilities must be provided at convenient locations.

EXPOSURE GUIDELINES

INGREDIENT NAME	ACGIH TLV	OSHA PEL
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form	Liquid
Color	Yellowish to Brownish
Odor	Ethereal/Ammonical

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OH Value Melting	350 –450 mg KOH/g
Point Initial Boiling	Not Applicable
Point Vapor	490°C at 1 atmosphere
Pressure Density	10.02 psia at 21°C 1.11
Viscosity	– 1.12 g/cm ³ @ 20°C 1200 – 1300 mPa.s @ 20 °C
pH Value	8-10
Flash Point	None

SECTION 10: STABILITY AND REACTIVITY DATA

THE PRODUCT IS NORMALLY STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS OF USE, STORAGE, AND TRANSPORT.

CONDITIONS TO AVOID: Avoid sources of ignition such as sparks, hot spots, welding flames and lighted cigarettes. Ignition/flash may occur if concentration is in the flammable range. At all concentration ranges, exposure of the product to high energy sources may yield corrosive and/or toxic decomposition products.

INCOMPATIBILITIES: Strong acids and alkalis, reactive metals e.g. powdered or freshly abraded aluminum (may cause strong exothermic reaction), sodium, lithium, molten aluminum, barium, calcium, magnesium, potassium and zinc shavings.
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrochloric acid and hydrofluoric acids, carbon monoxide, and carbonyl halides such as phosgene.

HAZARDOUS POLYMERIZATION Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

General Information	No known adverse effect on human health.
Swallowing Chronic effects	Harmful if swallowed. Prolonged inhalation may be harmful.
Carcinogenicity	This product is not considered a carcinogen.
Skin	Causes mild skin irritation. Prolonged skin contact may cause temporary irritation. corrosion/irritation/sensitization
Germ cell mutagenicity	No data available to indicate product or any components are mutagenic or genotoxic. This product is not expected to cause reproductive or developmental effects. Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Exposure may cause temporary irritation, redness, or discomfort. Mild skin irritation.
Reproductive toxicity	
Symptoms and target organs	
Specific target organ toxicity-single exposure	Not applicable
Specific target organ toxicity-repeated exposure	Not applicable
Aspiration hazard	Not applicable

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Product is not classified as hazardous to the environment. This does not, however, exclude the possibility that large amount of spillages can have a harmful/damaging effect on the environment.

Biodegradability Persistence and degradability

Minimal

Experience has shown this product to be inert and non-degradable.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other information

Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions

Collect, reclaim or dispose in sealed containers at waste disposal site approved by local/regional authority, the disposal of the container and its content being in accordance with local/regional/national regulations.

Hazardous waste code

The waste code should be assigned in discussion and agreement among the user, the producer, and the authorized/licensed waste disposal company.

Waste from residues/unused products

Dispose of in accordance with local regulations. Empty container or liner is expected to retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers contain product residue, follow label warnings even after emptying the container.

SECTION 14: TRANSPORT INFORMATION

UN Number General

Not applicable ((this product is not classified as hazardous material).

DOT

IATA Classification

IMDG Classification

Not regulated (this product is not classified as dangerous goods). Not regulated (this product is not classified as dangerous goods). Not regulated (this product is not classified as dangerous goods).

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SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)

SARA 313 TOXIC CHEMICALS (Superfund Amendments and Reauthorization Act)

Ingredient Name Comment: None ADDITIONAL

REGULATORY INFORMATION:

Polymer : Polymer exempt in the following countries: Europe

Hazard Symbol(s)

Xi Irritant

Risk phrases

R20 - Harmful by Inhalation.

R36/37/38 - Irritating to eyes , respiratory system and skin. R42

- May cause sensitization by inhalation.

Safety phrases

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 - After contact with skin, wash immediately with plenty of water.

S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 16: OTHER INFORMATION

The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.