

SAMPLE MATERIAL SAFETY DATA SHEET (MSDS)

Ticagrelor D7

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

Product Name	Ticagrelor D7
Company Identification	VIVAN Life Sciences Pvt. Limited 511 & 512, Lodha Supremus, Rd.No.22, Wagle Industrial Estate,Thane-W MUMBAI-400604
For information call	+91(22) 2587 0080/81/82
For emergencies call	+91(22) 2587 0080/81/82

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Chemical Name	%	CAS Number	Haz Symbols	Risk Phrases
Ticagrelor D7	99.54 %	NA	-	-

Symbols: XN

Risk Phrases: 22

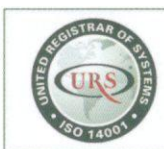
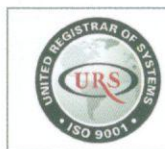
**** SECTION 3 - HAZARDS IDENTIFICATION ****

Emergency Overview	Harmful if swallowed.
Potential Health Effects	The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation:	Remove from exposure and move to fresh air immediately. Notes to Physician.

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**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media	In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks	Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

**** SECTION 7 - HANDLING and STORAGE ****

Handling	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
Storage	Store at 2-8°C. Keep the container closed when not in use.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels. Personal Protective Equipment
Eyes	Wear safety glasses and chemical goggles if splashing is possible.
Skin	Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing	Wear appropriate protective clothing to minimize contact with skin.
Respirators	Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

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**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State	Solid
Color	Off white solid
Odor	Not available
pH	Not available
Vapor Pressure	Not available
Viscosity	Not available
Boiling Point	Not available
Freezing/Melting Point	Not available
Auto ignition Temperature	Not available
Flash Point	Not available
Explosion Limits, lower	Not available
Explosion Limits, upper	Not available
Decomposition Temperature	Not available
Specific Gravity/Density	Not available
Molecular Formula	C23H21D7F2N6O4S
Molecular Weight	529.61

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Incompatible materials, strong oxidants.
Incompatibilities with Other Materials	Strong oxidizing agents, strong bases.
Hazardous Decomposition Products	Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.
Hazardous Polymerization	Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#	NA
CAS#	NA
LD50/LC50	NA
CAS#	NA Draize test, rabbit, eye: 100 mg/24H Moderate; Oral, mouse: LD50 = 300 mg/kg; Oral, rabbit:LD50 = 3200 mg/kg; Oral, rat:LD50 = 980 mg/kg.
Carcinogenicity	Ticagrelor D7 - not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

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****** SECTION 12 - DISPOSAL CONSIDERATIONS ******

Dispose of in a manner consistent with federal, state, and local regulations.

****** SECTION 13 - TRANSPORT INFORMATION ******

IATA	No information available.
IMO	No information available.
RID/ADR	No information available.

****** SECTION 14 - REGULATORY INFORMATION ******

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases: R 22 Harmful if swallowed.
Safety Phrases: WGK (Water Danger/Protection)
CAS# NA United Kingdom Occupational Exposure Limits
United Kingdom Maximum Exposure Limits Canada
CAS# NA is listed on Canada's DSL List.
CAS# NA is not listed on Canada's Ingredient Disclosure List.
Exposure Limits
US FEDERAL
TSCA
CAS# NA is listed on the TSCA inventory.

****** SECTION 15 - ADDITIONAL INFORMATION ******

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.