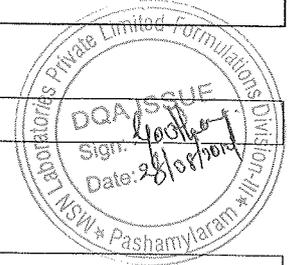


MSNO	MSN LABORATORIES PRIVATE LIMITED FORMULATION DIVISION III PASHAMYLARAM	Page No 1 of 3
	MATERIAL SAFETY DATA SHEET	
Product Name	ROFLUMILAST TABLETS 500 mcg	

1. Product Information

Product Name: ROFLUMILAST TABLETS 500 mcg



2. Composition/Information on Ingredients

C.A.S. No : : 162401-32-3
Molecular Formula : $C_{17}H_{14}Cl_2F_2N_2O_3$
Molecular Weight : 403.22
Chemical Name : N-(3,5- dichloropyridin-4-yl)-3-cyclopropylmethoxy-4-difluoromethoxy-benzamide

3. Hazards Identification

Handling should only be performed by personnel trained and familiar with handling of potent active pharmaceutical ingredients

Moderate to severe irritant to the skin and eyes.

4. First Aid Measures

After Inhalation: If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration.

After skin contact: Flush with copious amounts of water; remove contaminated clothing and shoes; call a physician.

After eye contact: Check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician.

After swallowing: If swallowed, wash out mouth with copious amounts of water; call a physician.

5. Emergency Overview

Major Health Hazards: No major health hazards are known.

6. Fire Fighting Measures

Suitable extinguishing agents: Water spray, carbon dioxide, dry chemical powder or foam

Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire hazard: Emits toxic fumes such as carbon monoxide, etc.

MSNO	MSN LABORATORIES PRIVATE LIMITED FORMULATION DIVISION III PASHAMYLARAM	Page No 2 of 3
	MATERIAL SAFETY DATA SHEET	
Product Name	ROFLUMILAST TABLETS 500 mcg	

7. Accidental Release Measures

Person-related safety precautions: cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves

Measures for cleaning/collecting: absorb solutions with finely- powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13.

8. Handling and Storage

Information for safe handling : Avoid inhalation and contact with skin, eyes and clothing; material may be an irritant.

Storage Conditions: Store as directed by product packaging.

9. Exposure Controls/Personal Protection

Personal protective equipment as follows:

- **Breathing equipment:** NIOSH/MSHA-approved respirator
- **Protection of hands:** Chemical-resistant rubber gloves
- **Eye protection:** Chemical safety goggles

10. Physical and Chemical Properties

Appearance: White to off white, round, flat face bevel edged, uncoated tablets, debossed with "R" on one side and "0.5" on other side.

11. Stability and Reactivity

Stability: Stable under normal conditions of use.

Conditions to Avoid: No data available.

Incompatible Materials: As a precautionary measure, keep away from strong oxidizers

Hazardous Decomposition Products: None known

12. Toxicological Information

Acute toxicity: None known

Primary irritant effect: Not known

On the skin: None known

On the eye: Not known; may be an irritant

	MSN LABORATORIES PRIVATE LIMITED FORMULATION DIVISION III PASHAMYLARAM	Page No 3 of 3
	MATERIAL SAFETY DATA SHEET	
Product Name	ROFLUMILAST TABLETS 500 mcg	

13. Disposal Considerations

Dispose of in accordance with prevailing country, federal, state and local regulations.

14. Transport Information

DOT:

Proper shipping name: None

Non-Hazardous for transport: This substance is considered to be non-hazardous for transport

IATA class: None

Non-Hazardous for transport: This substance is considered to be non-hazardous for transport

15. Regulatory Information

Code letter and hazard designation of product

Hazard-determining components of labeling

EU Risk And Safety phrases:

- S24/25: Avoid contact with skin and eyes
- 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
- S36/37/39: Wear protective clothing, gloves and eye/face protection
- R38: Irritating to skin
- R41: Risk of serious damages to eyes
- R48: Toxic; danger of serious damage to health by prolonged exposure
- **R62: Possible risk of impaired fertility**
- **R63: Possible risk of harm to unborn child**

16. Other Information

While the information herein is believed to be reliable, it is furnished without warranty of any kind. It shall be used only as a guide. We assume no liabilities from the use of this product or information contained herein.

Sign/Date	Prepared by	Checked by
	 11/08/2014	 11/08/2014