



Section 1. Product and Company Identification

Product Name Rivaroxaban
Product ID R3584
Chemical Name (Synonyms) 5-Chloro-N-[[[(5S)-2-oxo-3-[4-(3-oxo-4-morpholinyl)phenyl]-5-oxazolidinyl]methyl]-2-thiophenecarboxamide
Supplier LKT Laboratories, Inc
545 Phalen Blvd.
St. Paul, MN 55130 USA
Ph: 651-644-8424 Fax: 651-644-8357
www.lktlabs.com - getinfo@lktlabs.com
Emergency Phone # 1-800-424-9300

Section 2. Hazards Identification

GHS Classification Acute Toxicity, Oral (Category 2) H300
Skin Irritant (Category 2) H315
Eye Damage (Category 1) H318
Reproductive Toxicity (Category 1) H360
Specific target organ toxicity - Repeated exposure (Category 1) H372

GHS Label elements including precautionary statements**Pictogram****Signal word** Danger**Hazard and precautionary statements****Hazard statements**

H300 - Fatal if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H360 - May damage fertility or the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

P261 - Avoid breathing dust.
P264 - Wash skin thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 - IF exposed or concerned: Get medical advice.
P332 + P313 - If skin irritation occurs: Get medical advice.
P337 + P313 - If eye irritation persists: Get medical advice.
P362 - Take off contaminated clothing and wash before reuse.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container to an approved waste disposal plant.

HMIS Classification Health Hazard: 4
Flammability: 0
Physical Hazards: 0

NFPA Rating Health Hazard: 4
Fire: 0
Reactivity Hazard: 0

Potential Health Effects Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Causes serious eye irritation.
Ingestion: Acute toxicity. Fatal if swallowed.

Reproductive toxicity: May damage fertility or the unborn child.
Specific target organ toxicity: Causes damage to organs through prolonged or repeated exposure.

Section 3. Composition/Information on Ingredients

Substances

Formula C₁₉H₁₈ClN₃O₅S
CAS No. 366789-02-8

Formula Wt. 435.88
EC No.

Section 4. First Aid Measures

General advice

Eye Contact

Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.

Skin Contact

Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.

Inhalation

Remove from exposure and provide respiration support if necessary. Seek medical attention.

Ingestion

Rinse mouth with water. Contact a physician or poison control immediately.

Section 5 . Firefighting Measures

Flash Point

Not available.

Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Firefighting Procedures

Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.

Unusual Fire Hazards

Not known.

Section 6. Accidental Release Measures

Personal Precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleanup

Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Section 7. Handling and Storage

Handling

Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling material.

Storage Conditions

Store in a cool, dry place, and in a tightly closed container.
Recommended storage temperature: Ambient

Hazardous Decomposition Products

Not available

Other Remarks

None

Section 8. Exposure Controls/Personal Protection

Personal protective equipment Contains no substances with occupational exposure limit values.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and Body Protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9. Physical and Chemical Properties

Physical State	Solid	Color	White to off-white
Boiling Point	Not available.	Volatility	Not available.
Melting Point	218-232°C	Density	Not available.
Solubility	MeOH, Very poor at solubility in water.	pH	Not available.
Flash Point	Not available.	Ignition temperature	Not available.
Lower explosion limit	Not available.	Autoignition temperature	Not available.
Upper explosion limit	Not available.	Vapor pressure	Not available.
Water solubility	Very poor at solubility in water.	Odor	Not available.
Partition coefficient: n-octanol/water	Not available.	Odor Threshold	Not available.
Relative vapor density	Not available.	Evaporation rate	Not available.

Section 10. Stability and Reactivity

Stability	Stable under recommended storage conditions
Materials To Avoid	Acids and bases, Keep away from heat and strong oxidizing agents.
Hazardous Decomposition Products	Not available

Possibility of hazardous reactions

Conditions to avoid

Section 11. Toxicological Information

Oral LD50 Not available.

Skin corrosion/irritation Not available.

Inhalation LC50 Not available.

Serious eye damage/irritation Not available.

Dermal LD50 Not available.

Respiratory or skin sensitization Not available.

Other information on acute toxicity Not available.

Germ cell mutagenicity Not available.

Reproductive Toxicity Not available.

Aspiration Hazard Not available.

Specific organ toxicity single exposure (GHS) Not available.

Synergistic effects Not available.

Specific organ toxicity repeated exposure (GHS) Not available.

Additional Information Not available.

Teratogenicity Not available.

Signs and symptoms of exposure Not available.

Potential Health Effects
Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin. Causes skin irritation.
Eyes: Causes serious eye irritation.
Ingestion: Acute toxicity. Fatal if swallowed.
Reproductive toxicity: May damage fertility or the unborn child.
Specific target organ toxicity: Causes damage to organs through prolonged or repeated exposure.

Carcinogenicity Not available.

Section 12. Ecological Information

Toxicity Not available.

Mobility in soil Not available.

PBT and vPvB assessment Not available.

Persistence and degradability Not available.

Other adverse effects Not available.

Bioaccumulative potential Not available.

Section 13. Disposal Considerations

Waste Disposal Dispose of material according to all federal, state and local regulations.
Offer material to a licensed, professional waste disposal company to dispose of as unused product.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title II, Section 302.

SARA 313 Components 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.

SARA 311/312 Components Acute health hazard, chronic health hazard

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

Pennsylvania Right To Know Components Rivaroxaban CAS #: 366789-02-8 Revision Date:

New Jersey Right To Know Components Rivaroxaban CAS #: 366789-02-8 Revision Date:

California Prop 65 Components Rivaroxaban CAS #: 366789-02-8 Revision Date:

Section 16. Other Information

Other information The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

Updated 4/25/2019

For emergencies in the USA, call
CHEMTREC 800-424-9300