

## D- RIBOSE

### SECTION 1: PRODUCT IDENTIFICATION

Product Name: D- RIBOSE  
Product Code: CM 23124  
CAS#: 50-69-1  
Synonym: Not available.  
Chemical Name: D- Ribose  
Chemical Formula: C<sub>5</sub>H<sub>10</sub>O<sub>5</sub>  
Formula Weight: 150.13

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Name: D- Ribose

Toxicological Data on Ingredients: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

Carcinogenic Effects: Not Available.

Mutagenic Effects: May affect genetic material. Mutagenic effects in mammalian somatic cells. Mutations in microorganisms.

Teratogenic Effects: Not Available.

Developmental Toxicity: Not Available. Repeated or prolonged exposure is not known to aggravate medical condition.

### SECTION 4: FIRSTAID MEASURES

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

### SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not Available.

Flash Points: Not Applicable.

Flammable Limits: Not Applicable.



Products of Combustion: Not available.  
 Fire Hazards in Presence of Various Substances: Not Available.  
 Explosion Hazards in Presence of Various Substances:  
 Risks of explosion of the product in presence of mechanical impact: Not Available.  
 Fire Fighting Media and Instructions:  
 SMALL FIRE: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
 LARGE FIRE: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
 Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and irritating fumes.  
 Special Remarks on Explosion Hazards: Not Available

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.  
 Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

### SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.  
 Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
 Specific end use(s) A part from the uses no other specific uses are stipulated

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls  
 Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.  
 Wash hands before breaks and at the end of workday.  
 Personal protective equipment  
 Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).  
 Skin 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.  
 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.  
 Respiratory protection Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).  
 Control of environmental exposure Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	Form	:Solid, Powder.
Odour		:Not available
Taste		:Not available
Molecular Weight		:Not available :White
Colour		to off white. :Not
pH		available



BoilingPoint	:Not available
Melting Point	:87°C (188.6°F).
CriticalTemperature	:Not available
Specific Density	:Not Available
Vapor Pressure	:Not Available
Vapor Density	:Not available
Volatility	:Not Available
Odor Threshold	:Not Available
Water/Oil Dist. Coeff.	:Not Available
Ionicity (in Water)	:Not Available
Dispersion Properties	:Not Available
Solubility	:Not Available

#### SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Not available.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with acids, metals and oxidizing agents.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

#### SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Ingestion.

Toxicity to Animals:

LD<sub>50</sub>: Not available.

LC<sub>50</sub>: Not available.

Chronic Effects on Humans: Not Available.

Other Toxic Effects on Humans: Not Available.

Special Remarks on Toxicity to Animals: Not Available.

Special Remarks on Chronic Effects on Humans: Not Available.

Special Remarks on other Toxic Effects on Humans: Nuisance dust.

#### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available.

BOD and COD: Not Available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not Available.

Special Remarks on the Products of Biodegradation: Not Available.

#### SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging Dispose of as unused product.

#### SECTION 14: TRANSPORT INFORMATION



