Safety Data Sheet
ACETONE: XYLENE, 1:1

Section 1 - Chemical Product and Company Identification

SDS Name: Acetone: Xylene, 1:1
Catalog Numbers: SO-258, A-105-8, C-121, C-206-4, G-459-2, L-782-3
Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923
For information, call: 978-739-4883
Emergency Number: 800-424-9300
For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications Category
HEALTH HAZARDS

H303-Acute Oral Toxicity: 5
H313-Acute Dermal Toxicity: 5
H332-Acute Inhalation toxicity: 4
H315-Skin Corrosion/Skin Irritation: 2
H319-Eye Damage/Irritation: 2A
H373-Specific Target Organ Toxicity RE: 2

PHYSICAL HAZARDS Category

H225-Flammable Liquids: 2

ENVIRONMENTAL HAZARD

Acute environmental Hazards: Not classified
Chronic environmental Hazards: Not classified

Pictogram or Hazard Symbols

Danger: Highly flammable liquid and vapour.

Warning: May cause damage to organs.

Warning: Hamful if inhaled.
Causes skin irritation.
Causes serious eye irritation.

Warning: May be harmful if swallowed.
May be harmful in contact with skin.

Precautionary Statement.

H225

P210 Keep away from heat, flames, and hot surfaces. No smoking.
P233 Keep container tightly closed.
P241 Use explosive-proof equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves, clothing, and eye and face protection.
P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water.
P370 + P378 In case of fire use ….. to extinguish.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H303

P312 Call a physician if you feel unwell.

H313

P312 Call a physician if you feel unwell.

H332

P261 Avoid breathing fumes/mist/vapors.
P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.
1 Use only outdoors or in a well-ventilated area.
P312 Call a physician if you feel unwell.

H315

P280 Wear protective gloves, clothing, and eye and face protection.
P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.
P332 + P313 If skin irritation occurs, get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

H319

P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.
P337 + P313 If eye irritation persists, get medical advice/attention.
P285 In case of inadequate ventilation, wear respiratory protection.
P304+P341 IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 if experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

H373

P260 Do not breathe fume/gas/mist/vapors.

P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
106-42-3	Xylene	50 v/v
66-52-4	Acetone	50 v/v

Section 4 - First Aid Measures

Eye Exposure: Corrosive to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally. May cause permanent eye damage or blindness. Seek medical attention.

Dermal Exposure: Obtain medical attention: Corrosive to exposed skin. Flush skin well with water for 15 minutes, wash with soap and water. Remove affected clothing, get medical attention. May cause deep, penetrating burns.

Oral Exposure: Will cause severe burns to the mouth and severe and permanent damage to the digestive tract. Causes gastrointestinal burns and perforation of the digestive tract. Get Medical Attention immediately. Do not induce vomiting; give large quantities of water.

Inhalation Exposure: If inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention. Inhalation of vapors may cause coughing choking, inflammation of the nose, throat, and upper respiratory tract. In severe cases, may pulmonary edema, circulatory failure, and death.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire.
Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water.
Flash Point: CLOSED CUP: 25^0 C (77^0 F) OPEN CUP: 28.9^0C (84^0F)

Flammable Limits: LOWER: 1.1% UPPER: 7%

Auto ignition Temperature: 527 deg C (980 deg F)
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Methods for Cleaning up: Ventilate area of leak or spill. Stop leak if possible to do so without risk. Clean-up personnel should wear protective clothing and NIOSH approved respirator. Dike and cover the contaminated areas with absorbent, non-combustible material such as earth, sand, or vermiculite. Neutralize with alkaline material such as soda ash or lime. Do not use combustibles. Do not flush to sewer.

Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials. Protect from heat. Vapors heavier than air, may travel considerable distance and ignite or explode.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: Colorless
Odor: N/A
pH: N/A
Melting point: 12^0C
Vapor Pressure: 9 mm of Hg @ 20^0 C
Vapor Density (Air=1): 3.7 (Air=1)
Boiling Point: 138^0C (280.4^0F)
Specific Gravity / Density: 0.86 (water=1)
Solubility in / Miscibility: Completely miscible with methanol, diethyl ether. Insoluble in cold water, hot water.

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to avoid: Excess heat, sunlight, confined spaces.
Incompatibilities with other materials: Reactive with oxidizing agents

Section 11 - Toxicological Information

Acute:
Inhalation rat LC50: 4550 ppm/1hr.
Oral Rat LD50: 5000 mg/kg.
Investigated as a tumorigen, mutagen, and reproductive effector.
Carcinogenicity: NTP: No **IARC**: No **Z List**: No **OSHA reg**. No

Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratory tract.

Section 12 - Ecological Information

Bioaccumulation: Ehen released into the soil, this material is not expected to biodegrade. When released into the soil, this material may leach into groundwater.

Environmental Toxicity: This material is expected to be toxic to aquatic life.

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation:
Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

Section 14 – Transport Information

	US DOT	Canada TDG
Shipping Name:	ACETONE:XYLENE N.O.S.	ACETONE:XYLENE
Hazard Class:	3	3
UN Number:	UN1993	UN1993
Packing Group:	II	II

Section 15 - Regulatory Information

Symbol: F Flammable.

Risk and Safety phrases

Risk Phrases:
R11 Highly flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R36/38 Irritating to eyes and skin
R51 Toxic to aquatic organisms
R61 May cause harm to the unborn child

Safety Phrases:

S20/21 When using do not eat, drink or smoke
S2 Keep out of the reach of children
S 16 Keep away from sources of ignition - No smoking.
S 33 Take precautionary measures against static discharges.
S 7 Keep container tightly closed.
S 9 Keep container in a well-ventilated place

Section 16 - Additional Information

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