

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 10/16/2023 Version: 1.2

**SECTION 1: Identification** 

Identification 1.1. Product form

Mixture RailX

Product name Recommended use and restrictions on use

1.2. No additional information available

Supplier 1.3.

BioChem Systems, Inc. 480 Wildwood Forest Drive

Suite 400

Spring, TX 77380 1 (800) 777-7870

**Emergency telephone number** 1.4.

Emergency number : PERS - (800) 633-8253

## SECTION 2: Hazard(s) identification

#### Classification of the substance or mixture

**GHS US classification** Flam. Liq. 4 H227 Asp. Tox. 1 H304

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)

Signal word (GHS US) Danger

H227 - Combustible liquid Hazard statements (GHS US)

 $\mbox{H304}$  -  $\mbox{May}$  be fatal if swallowed and enters airways

Precautionary statements (GHS US) P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 - Wear eye protection, face protection, protective clothing, protective gloves. P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER

P331 - Do NOT induce vomiting.

P370+P378 - In case of fire: Use Carbon dioxide (CO2), Foam, dry chemical, dry extinguishing powder to

extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local,

regional, national and/or international regulation.

#### Other hazards which do not result in classification 2.3.

No additional information available

Unknown acute toxicity (GHS US) 2.4.

Not applicable

#### **SECTION 3: Composition/Information on ingredients**

3.1. Substances Not applicable

3.2. Mixtures

Name	Product identifier	%
Naphtha, petroleum, hydrotreated heavy	(CAS-No.) 64742-48-9	45 – 70
Dipropylene glycol monomethyl ether	(CAS-No.) 34590-94-8	15 – 40

\*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret.

## **SECTION 4: First-aid measures**

First-aid measures after inhalation

First-aid measures after eye contact

Description of first aid measures

If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in First-aid measures general

attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical

attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration. IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 First-aid measures after skin contact

minutes. Get medical attention immediately.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center First-aid measures after ingestion

or medical professional. Get medical attention immediately.

Most important symptoms and effects (acute and delayed) 4.2.

May be fatal if swallowed and enters airways. May be fatal if swallowed and enters airways. Symptoms/effects Symptoms/effects after inhalation

Symptoms/effects after skin contact May cause skin irritation.

Symptoms/effects after eye contact Direct contact with the eyes is likely to be irritating. Symptoms/effects after ingestion May be fatal if swallowed and enters airways

## Immediate medical attention and special treatment, if necessary

No additional information available

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#### **SECTION 5: Fire-fighting measures**

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media Carbon dioxide. Foam. Dry powder. Sand.

5.2. Specific hazards arising from the chemical

Fire hazard Combustible liquid and vapor. Product is not explosive. Explosion hazard

Reactivity No dangerous reactions known under normal conditions of use.

Special protective equipment and precautions for fire-fighters 5.3.

Firefighting instructions Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do

not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and

products of combustion.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained

breathing apparatus.

#### **SECTION 6: Accidental release measures**

#### Personal precautions, protective equipment and emergency procedures

General measures

Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained cleaning personnel properly

equipped with respiratory and eye protection. Use special care to avoid static electric charges. Avoid breathing fumes or vapors. No flames, no sparks. Eliminate all sources of ignition.

6.1.1. For non-emergency personnel

Protective equipment Wear protective equipment as described in section 8.

Emergency procedures Evacuate unnecessary personnel.

For emergency responders

Protective equipment Approved supplied-air respirator, in case of emergency. Wear suitable protective clothing, gloves and eye or

#### **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

#### Methods and material for containment and cleaning up

For containment Sweep or shovel spills into appropriate container for disposal. Contain any spills with dikes or absorbents to

prevent migration and entry into sewers or streams.

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Wash spill area Methods for cleaning up

thoroughly with plenty of soap and water. Place in a suitable container for disposal in accordance with the

waste regulations (see Section 13). Notify authorities if product enters sewers or public waters.

### Reference to other sections

No additional information available

#### **SECTION 7: Handling and storage**

#### Precautions for safe handling Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapor. Do not breathe vapors, mist. Keep container tightly closed in a

cool place. Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

#### Conditions for safe storage, including any incompatibilities 7.2.

Store in dry, cool, well-ventilated area. Keep cool. Protect from sunlight. Keep away from heat, hot surfaces, Storage conditions

sparks, open flames and other ignition sources. No smoking.

Incompatible materials Strong oxidizing agents. Strong acids.

#### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Dipropylene glycol monomethyl ether (34590-94-8)			
ACGIH	ACGIH OEL TWA [ppm]	100 ppm	
ACGIH	ACGIH OEL STEL [ppm]	150 ppm	
ACGIH	Remark (ACGIH)	TLV® Basis: Liver & CNS eff	
ACGIH	Regulatory reference	ACGIH 2022	
OSHA	OSHA PEL (TWA) [1]	600 mg/m <sup>3</sup>	
OSHA	OSHA PEL (TWA) [2]	100 ppm	
OSHA	OSHA PEL (STEL) [1]	900 mg/m³ Vacated	
OSHA	OSHA PEL (STEL) [2]	150 ppm Vacated	
OSHA	Limit value category (OSHA)	prevent or reduce skin absorption	
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
IDLH	IDLH [ppm]	600 ppm	
NIOSH	NIOSH REL (TWA)	600 mg/m³	
NIOSH	NIOSH REL TWA [ppm]	100 ppm	
NIOSH	NIOSH REL (STEL)	900 mg/m³	
NIOSH	NIOSH REL STEL [ppm]	150 ppm	
NIOSH	US-NIOSH chemical category	Potential for dermal absorption	
Naphtha, petroleum, hydrotreated heavy (64742-48-9)			
ACGIH	Remark (ACGIH)	OELs not established	
OSHA	Remark (OSHA)	OELs not established	

## Appropriate engineering controls

Appropriate engineering controls

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Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosionproof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

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## 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment symbol(s):

#### Personal protective equipment:

Gloves. Protective goggles. Protective clothing.

In case of inadequate ventilation, wear respiratory protection.

#### Hand protection:

Use gioves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified and selected according to regional or national standards. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate PVC, or vinyl. Suitable gloves should be recommended by the glove supplier.

#### Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

#### Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

#### Respiratory protection:

Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

#### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Colorless to slight yellow

Odor : Solvent

Odor threshold No data available No data available Hq Melting point No data available Freezing point : No data available Boiling point 360 °F (182 °C) : 145 °F Tag (62.7 °C) Flash point Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : No data available Vapor pressure : < 1 mm Hg @ 20 °C Relative vapor density at 20 °C : No data available

Relative density : 0.84 Solubility : Negligible. Partition coefficient n-octanol/water (Log Pow) No data available Auto-ignition temperature No data available Decomposition temperature No data available Viscosity, kinematic Viscosity, dynamic No data available **Explosion limits** No data available Explosive properties No data available

9.2. Other information

No data available

Oxidizing properties

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

## 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

No data available.

## 10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition. Elevated temperature. Prevent vapor accumulation.

No data available

## 10.5. Incompatible materials

Acids. Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Toxic fumes.

## SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified

Dipropylene glycol monomethyl ether (34590-94-8)	
LD50 oral rat	5230 mg/kg
LD50 dermal rat	> 19020 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9500 mg/kg
LC50 Inhalation - Rat	> 3000 mg/m³ Source: ECHA

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according to Federal Negister / Vol. 77, No. 30 / Michilary, March 20, 2012 / Nules and Negulations			
Naphtha, petroleum, hydrotreated heavy (64742-48-9)			
LD50 oral rat	> 5000 mg/kg		
LD50 dermal rabbit	> 3160 mg/kg		
LC50 Inhalation - Rat	> 8500 mg/m³ (Exposure time: 4 h)		
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	Not classified     Not classified     Not classified		

Germ cell mutagenicity Not classified Carcinogenicity Not classified Reproductive toxicity Not classified STOT-single exposure Not classified STOT-repeated exposure Not classified

May be fatal if swallowed and enters airways. Aspiration hazard

Viscosity, kinematic < 20 cSt

Symptoms/effects May be fatal if swallowed and enters airways. Symptoms/effects after inhalation May be fatal if swallowed and enters airways.

Symptoms/effects after skin contact May cause skin irritation.

Symptoms/effects after eye contact Direct contact with the eyes is likely to be irritating. Symptoms/effects after ingestion May be fatal if swallowed and enters airways.

#### **SECTION 12: Ecological information**

12.1. **Toxicity** 

Ecology - general

12.2.

Persistence and degradability

No information available.

Bioaccumulative potential 12.3.

No information available.

Mobility in soil 12.4.

No additional information available 12.5. Other adverse effects

No additional information available

: No information available.

#### **SECTION 13: Disposal considerations**

#### Disposal methods 13.1.

Waste treatment methods

Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to

surface waters is allowed without an NPDES permit.

Product/Packaging disposal recommendations

Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

#### **SECTION 14: Transport information**

Department of Transportation (DOT)

Not Regulated

This material has been determined to be 'NOT COMBUSTIBLE' according to 49 CFR 173.120; it does not sustain combustion by ASTM D4206.

### Transport by sea (IMDG)

Not regulated

### Air transport (IATA)

Not regulated

## **SECTION 15: Regulatory information**

## 15.1. US Federal regulations

All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule") of Feb 2019, as amended Feb 2021 or are otherwise exempt, or regulated by other agencies such as FDA or FIFRA

SARA Section 311/312 Hazard Classes Health hazard - Aspiration hazard Physical hazard - Flammable (gases, aerosols, liquids, or solids)

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

Component	State or local regulations
Dipropylene glycol monomethyl ether (34590-94-8)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

### **SECTION 16: Other information**

NFPA fire hazard

Other information Revised by: Regulatory & Compliance.

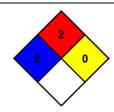
Revision 10/16/2023

NFPA health hazard 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

2 - Materials that must be moderately heated or exposed to

relatively high ambient temperatures before ignition can occur. NFPA reactivity 0 - Material that in themselves are normally stable, even under fire

conditions.



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HMIS Hazard Rating

Health Flammability Physical : 2 : 2 : 0

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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