ROYAL CHEMICALS COMPANY

QC Department

Material Safety Data Sheet

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Glycerin MSDS

Section 1: Chemical Product and Company Identification

Product Name: Glycerin

Pre-registration #:05-2115592308-38-0000

CAS#: 56-81-5

Company name: Royal Chemicals TSCA: TSCA 8(b) inventory: Glycerin

CI#: Not available. Synonym: 1,2,3-Propanetriol; Glycerol

Chemical Name: Glycerin Chemical Formula: C3H5(OH)3

Section 2: Composition and Information on Ingredients

Composition:

Name: Glycerin

CAS #: 56-81-5

Section 3: Hazards Identification

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

Potential Chronic Health Effects:

MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not availabl
DEVELOPMENTAL TOXICITY: Not available

The substance may be toxic to kidneys.

Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid 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. Cold water may 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.

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Section5:tixocological information

Routes of Entry: Absorbed through skin. Eye contact.

Toxicity to Animals:

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR

EXPOSURE.

Acute oral toxicity (LD50): 4090 mg/kg [Mouse]. Acute dermal toxicity (LD50): 10000 mg/kg [Rabbit].

Acute toxicity of the mist (LC50): >570 mg/m3 1 hours [Rat].

Chronic Effects on Humans: May cause damage to the following organs: kidneys.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: TDL (human) - Route: Oral; Dose: 1428 mg/kg

Special Remarks on Chronic Effects on Humans:

Glycerin is transferred across the plancenta in small amounts. May cause adverse reproductive effects based on animal data (Paternal Effects (Rat): Spermatogenesis (including genetic material, sperm morphology, motility, and count), Testes, epididymis, May affect genetic material. sperm duct).

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Low hazard for normal industrial handling or normal workplace conditions.

Skin:

May cause skin irritation. May be absorbed through skin

Eyes:

May cause eye irritation with stinging, redness, burning sensation, and tearing, but no eye injury.

Ingestion:

Low hazard. Low toxicity except with very large doses. When large doses are ingested, it can cause gastrointestinal tract irritation with thirst (dehydration), nausea or vomiting diarrhea. It may also affect behavior/central

nervous system/nervous system (central nervous system depression, general anesthetic, headache, dizziness, confusion, insomnia, toxic psychosis, muscle weakness, paralysisconvulsions), urinary system/kidneys(renal failure,hemoglobinuria), cardiovascular system (cardiac arrhythmias), live

Inhalation:

Due to low vapor pressure, inhalation of the vapors at room temperature is unlikely. Inhalation of mist may r. It may also cause elevated blood sugar cause respiratory tract irritation.

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Chronic Potential Health Effects:

Ingestion:

Prolonged or repeated ingestion may affect the blood(hemolysis, changes in white blood cell count), endocrine system (changes in adrenal weight), respiratory system, and may cause kidney injury.

Section 6: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 58.5 ppm 96 hours [Trout].

BOD5 and COD: Not available. Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products mayarise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself. **Special Remarks on the Products of Biodegradation:** Not available.