

MATERIAL SAFETY DATA SHEET

BURN GEL

PRODUCT AND MANUFACTURER INFORMATION

Product name: Burn gel
Recommended use: First aid use, for burns and scalds wound and keep the wound moist

STRUCTURE AND COMPOSITION

a) Mixture		
b) Composition:		
Ingredient/ chemical name	Content	CAS code
propylene glycol	2%	57-55-6
glycerol	3%	56-81-5
emulsifier	3%	9007-20-9
surfactant	2%	59227-89-3
purified water	90%	7732-18-5

HAZARD PROFILE

- a) Hazard category: /
- b) Intrusive way: /
- c) Health hazard: /
- d) Environmental hazards: /
- e) Hazard of combustion and explosion: /

FIRST AID MEASURES

- a) Skin contact: Usually no health hazard, if irritation or allergy occurs, requiring medical attention.
- b) Eye contact: Wash eyes with low-pressure water. If irritation persists, requiring medical attention.
- c) Inhalation: Clean with low-pressure water.
- d) Ingestion: Seek medical advice immediately.
- e) Most important symptoms and harmful effects: In contact with skin, irritation and allergy rarely occur.
- f) Note to the physician: The physician should be told that the product itself does not have allergy or irritation reaction, a small number of people with special physical conditions can cause allergies or irritations to burn gel.

FIRE PROTECTION MEASURES

- A) Special hazards that may be encountered in fire extinguishing: Smoke stimulation
- B) Fire extinguishing method and extinguishing agent: Dry powder, foam, carbon dioxide and mist water
- C) Harmful combustion product: /
- D) Fire extinguishing precautions: /
- a) Personal protection for firefighters: Fire and gas resistant clothing
- b) No prohibited fire extinguishing agent

LEAKAGE TREATMENT METHOD

- a) Emergency treatment: Collect and store leaks without confusing them with normal products.
- b) Elimination method: Collect leaks and deal with them in accordance with local laws and regulations.
- c) Environmental precautions: If there are omissions in the collection of leaks, the macromolecule products can not be degraded, which will pollute the environment.

OPERATIONAL DISPOSAL AND STORAGE METHOD

- a) Notes for operation: Read the product instruction carefully before use to avoid incorrect use of the product.
- b) Storage precautions: $0\text{ }^{\circ}\text{C} \leq \text{Storage temperature} \leq 40\text{ }^{\circ}\text{C}$, humidity $\leq 80\%$, a well-ventilated room without corrosive gases. No special precautions are required. Keep away from open fire, strong alkali, strong acid, strong oxidant.

EXPOSURE PREVENTION MEASURES

- a) Maximum permissible concentration: /
- b) Exposure detection method: /
- c) Exposure control: /
- d) Respiratory protection: /
- e) Eye protection: /
- f) The body protection: /
- g) Hand protection: /
- h) Other protection: personal hygiene requirements, regular physical examination

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance and properties: White or yellowish color, clear uniform gel	
PH: 5.0~7.5	
Melting point:/	The boiling point:/
Relative density(water=1):/	Relative steam density(air=1):/
Saturation vapour pressure(kPa)/	The combustion value(KJ/mol):/
Critical temperature(°C):/	Critical pressure(MPa):/
Logarithm of the octanol/water partition coefficient:/	
Flashing point(°C):/	High explosion limit %(V/V):/
The ignition temperature (°C):/	Lower explosive limit %(V/V):/
Solubility: Water soluble	
Main application: Burns and scalds wound coverage and keep the wound moist	
Other physical and chemical properties: Viscosity value should be 5000 ~30000mPa•s(25±2 °C)	

STABILITY AND REACTIVITY

- a)Stability: Stable
- b)Incompatible substance:/
- c)Avoid contact conditions: Avoid high temperature and high humidity
- d)Polymerizate:/
- e)Decomposition product:/

TOXICITY DATA

- a)Acute toxicity: No LD50, LC50 data
- b)Skin irritation:/
- c)Eye damage/irritation:/
- d)Respiratory or skin allergies:/
- e)Chronic toxicity:/
- f)Germ cell mutagenesis:/
- g)Carcinogenicity:/
- h)Reproductive toxicity:/
- i)Specific target organ toxicity - single exposure:/
- j)Specific target organ toxicity - repeated exposure:/
- k)Inhalation hazard:/

ECOLOGICAL DATA

- a)Ecological toxicity:/
- b)Biodegradability:/
- c)Non-biodegradability:/
- d)Biological enrichment or accumulation:/
- e)Other harmful effects:/

DISPOSAL METHOD

- a)Waste property: The product is not hazardous waste as determined by RCRA.
- b)Disposal method: According to local regulations and laws.
- c)Note for waste: If the product has been used, it should be treated as medical device waste.

SHIPPING INFORMATION

- a)UN code: None
- b)UN shipping name: None
- c)UN classification (transport hazard category) : None
- d)Packaging classification: None
- e)Whether it is a Marine pollutant: No
- f)Transportation precautions: Measures to prevent open fire, high temperature, rain and sunshine during product transportation

REGULATIONS DATA

Applicable regulations:/

OTHER INFORMATION

- a)Attention!
Do not use the product or material in vivo or directly with the blood pathway, because the product has not further clinical validation of the scope of application of in vivo or blood pathway, and there is no guarantee of explanation, promise or implication for in vivo transplantation

- b)Literature reference: none
- Tabulation unit
- Tabulation time: 29th Mar,2019.
- Modification instructions: none
- Other information: none