

Material Safety Data Sheet

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Section 1- Product Information

HEK293/PD-L1 **Product Name** Product Cat. No. M00544

Section 2- Composition / Information on Ingredients

Substance / Preparation: Preparation Hazardous Component Dimethylsulfoxide

67-68-5 CAS No. Percentage 5%

Section 3- Hazards Identification

HMIS Rating

Health 1 0 Flammability Reactivity 0

For additional information on toxicity, please refer to Section 11.

Section 4- First Aid Measures

If swallowed, wash out mouth with water provided person is conscious. Call a Oral Exposure

Inhalation Exposure If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure In case of skin contact, flush with copious amounts of water for at least 15 minutes.

Remove contaminated clothing and shoes. Call a physician.

Eye Exposure In case of contact with eyes, flush with copious amounts of water for at least 15

minutes. Assure adequate flushing by separating the eyelids with fingers. Call a

physician.

Section 5- Fire Fighting Measures

Flash Point Not available **Autoignition Temp** Not available Flammability Not available

Extinguishing Media

Suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Fire Fighting

Protective Equipment Wear self-contained breathing apparatus and protective clothing to prevent contact

with skin and eyes.

Specific Hazard(s) Emits toxic fumes under fire conditions

Section 6- Accidental Release Measures

Procedure to Be Followed in Case of Evacuate area

Leak or Spill

Procedure(s) of Personal Precaution(s) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves Methods for Cleaning Up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

Section 7- Handling and Storage

Handling

User Exposure Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or

repeated exposure.

Storage Liquid nitrogen



Section 8- Exposure Controls/Personal Protection Equipment

Engineering Controls Mechanical exhaust required

Personal Protective Equipment

Respiratory Use respirators and components tested and approved under appropriate

government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type

N95 (US) or type P1 (EN 143) respirator.

Wear appropriate government approved respirator, chemical-resistant gloves, safety

goggles, other protective clothing.

General Hygiene Measures Wash thoroughly after handling

Section 9- Physical and Chemical Properties

Appearance

Other

Physical State Liquid

Property

Molecular Weight Not available pH Not available BP/BP Range Not available MP/MP Range Not available Freezing Point Not available

Vapor Pressure Not available Vapor Density Not available Saturated Vapor Conc. Not available Not available SG/Density **Bulk Density** Not available Odor Threshold Not available Not available Volatile% **VOC Content** Not available Water Content Not available Not available Solvent Content **Evaporation Rate** Not available Viscosity Not available Not available Surface Tension Partition Coefficient Not available Decomposition Temp. Not available Flash Point Not available

Flammability
Autoignition Temp
Not available
Refractive Index
Optical Rotation
Miscellaneous Data
Solubility
Not available
Not available
Not available
Soluble

Section 10- Stability and Reactivity

Stability

Stable Stable

Hazardous Decomposition Products

Hazardous Decomposition Products Nature of decomposition products not known

Not available

Section 11- Toxicological Information

Acute Toxicity

LD50 (oral, rat/mouse) 14500 mg/kg (Rat)
LD50 (dermal, rat/rabbit) Not available
LC50 (oral, rat/mouse) Not available

Route of Exposure

Explosion Limits

Eye Mild eye irritation
Skin Contact May cause skin irritation

Skin Absorption May be harmful if absorbed through the skin

Inhalation Material may be irritating to mucous membranes and upper respiratory tract, May

be harmful if inhaled.

Ingestion May be harmful if swallowed

Conditions Aggravated by Exposure The toxicological properties have not been thoroughly investigated.



Section 12- Ecological Information

Eco-toxicity

Toxicity of The Products of

Biodegradation

The product itself and its products of degradation are not toxic.

Section 13- Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Waste must be disposed of in accordance with federal, state and local

environmental control regulations.

Section 14- Transport Information

DOT

Proper Shipping Name

Non-Hazardous for Transport

None

This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport

Non-hazardous for air transport

Section 15- Regulatory Information

United States Regulatory information

SARA Listed

Nο

Canada Regulatory Information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the CPR,

and the MSDS contains all the information required by the CPR.

DSL Yes NDSL No

Section 16- Other Information

Disclaimer For in vitro research use only.

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.