

Material Safety Data Sheet

	Dat	te Created te Updated sion	09/18/201
Section 1- Product Information			
Product Name	CHO-K1/PD1		
Product Cat. No.	M00529		
Section 2- Composition / Information	on on Ingredients		
Substance / Preparation:	Preparation		
Hazardous Component	Dimethylsulfoxide		
CAS No.	67-68-5		
Percentage	5%		
Section 3- Hazards Identification			
HMIS Rating			
Health	1		
Flammability	0		
Reactivity or additional information on toxicity, please re	0 fer to Section 11.		
Continue 4. First Aid Managemen			
Section 4- First Aid Measures Oral Exposure	If swallowed, wash out mouth with water provided person	n is conscio	ous. Call
	physician.		
Inhalation Exposure	If inhaled, remove to fresh air. If breathing becomes difficul	lt, call a phys	ician.
Dermal Exposure	In case of skin contact, flush with copious amounts of water		
	Remove contaminated clothing and shoes. Call a physiciar		
Eye Exposure	In case of contact with eyes, flush with copious amounts		at least 1
_)0 _/p000.0	minutes. Assure adequate flushing by separating the eyel physician.		
Ocation F. Fins Fighting Macauna			
Section 5- Fire Fighting Measures			
Flash Point	Not available		
A 4 5 50 T			
	Not available		
Flammability	Not available Not available		
Flammability Extinguishing Media	Not available	aviata facan	
Flammability Extinguishing Media Suitable		priate foam.	
Flammability Extinguishing Media Suitable Fire Fighting	Not available Water spray. Carbon dioxide, dry chemical powder, or appro	-	unt conto
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Autoignition Temp Flammability Extinguishing Media Suitable Fire Fighting Protective Equipment Specific Hazard(s) Section 6- Accidental Release Mea	Not available Water spray. Carbon dioxide, dry chemical powder, or approp Wear self-contained breathing apparatus and protective clo with skin and eyes. Emits toxic fumes under fire conditions sures	-	vent contac
Flammability Extinguishing Media Suitable Fire Fighting Protective Equipment Specific Hazard(s) Section 6- Accidental Release Mea Procedure to Be Followed in Case of Leak or Spill	Not available Water spray. Carbon dioxide, dry chemical powder, or approp Wear self-contained breathing apparatus and protective clo with skin and eyes. Emits toxic fumes under fire conditions sures Evacuate area	bthing to prev	
Flammability Extinguishing Media Suitable Fire Fighting Protective Equipment Specific Hazard(s) <u>Section 6- Accidental Release Mea</u> Procedure to Be Followed in Case of Leak or Spill Procedure(s) of Personal Precaution(s)	Not available Water spray. Carbon dioxide, dry chemical powder, or approp Wear self-contained breathing apparatus and protective clo with skin and eyes. Emits toxic fumes under fire conditions sures Evacuate area Wear respirator, chemical safety goggles, rubber boots, and	heavy rubbe	er gloves
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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.
Other	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

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Appearance	Liquid
Physical State	Liquid
Property	Natavailable
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
SG/Density	Not available
Bulk Density	Not available
Odor Threshold	Not available
Volatile%	Not available
VOC Content	Not available
Water Content	Not available
Solvent Content	Not available
Evaporation Rate	Not available
Viscosity	Not available
Surface Tension	Not available
Partition Coefficient	Not available
Decomposition Temp.	Not available
Flash Point	Not available
Explosion Limits	Not available
Flammability	Not available
Autoignition Temp	Not available
Refractive Index	Not available
Optical Rotation	Not available
Miscellaneous Data	Not available
Solubility	Soluble
Section 10- Stability and Reactivity	
Stability	
Stable	Stable
Hazardous Decomposition Products	Stable
Hazardous Decomposition Products	Nature of decomposition products not known
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Continue 44 Toxing to signal lufe mustic	
Section 11- Toxicological Information	DN
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	
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 Consideration	IS
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	None
Non-Hazardous for Transport	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	No
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.