



1.0M HEPES pH 7.2, 100mL, Code# OORA00271 Safety Data Sheet

Safety Data Sheet

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DATE PREPARED: 07-21-2006

REVIEWED: 03-03-2020

SECTION 1:-----CHEMICAL IDENTIFICATION-----

NAME: HEPES(4-(2-Hydroxyethyl)-piperazine-1-ethanesulfonic acid)

SECTION 2:-----COMPOSITION/INFORMATION ON INGREDIENTS-----

CHEMICAL NAME:	CAS#	RTECS#:	%:
HEPES	7365-45-9	TL6809000	N/A

For more information see complete RTECS entry.

SECTION 3:-----HAZARDS IDENTIFICATION-----

EYES: MAY CAUSE TRANSIENT IRRITATION

SECTION 4:-----FIRST-AID MEASURES-----

EYES: FLUSH W/PLENTY OF WATER FOR 15 MINS. SKIN: FLUSH W/PLENTY OF SOAP & WATER FOR 15 MINS. INGESTION: IF CONSCIOUS & ALERT, GIVE 2-4 CUPFULS OF MILK/WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. NOTES TO PHYSICIAN: TREAT SYMPTOMATICALLY & SUPPORTIVELY. NO SPECIFIC ANTIDOTE EXISTS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

SECTION 5:-----FIRE FIGHTING MEASURES-----

EXTINGUISHING MEDIA

WATER SPRAY, DRY CHEMICAL, CO2/CHEMICAL FOAM.

SPECIAL FIRE FIGHTING MEASURES

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-----

ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR

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DISPOSAL. 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

SUITABLE: KEEP TIGHTLY CLOSED.

STORE AT 2-8°C

SECTION 8:-----EXPOSURE CONTROLS/PERSONAL PROTECTION----- CHEMICAL

SAFETY GOGGLES

COMPATIBLE CHEMICAL-RESISTANT GLOVES

NIOSH/MSHA-APPROVED RESPIRATOR

SAFETY SHOWER AND EYE BATH

SECTION 9:-----PHYSICAL AND CHEMICAL PROPERTIES-----

APPEARANCE AND ODOR

LIQUID

SECTION 10:-----STABILITY AND REACTIVITY -----

STABILITY - STABLE INCOMPATIBILITIES - STRONG

OXIDIZERS HAZARDOUS COMBUSTION OR DECOMPOSITION

PRODUCTS: NITROGEN OXIDES, CO, OXIDES OF SULFUR,

CO₂. HAZARDOUS POLYMERIZATION WILL NOT OCCUR

SECTION 11:-----TOXICOLOGICAL INFORMATION-----

ROUTE OF EXPOSURE

SKIN CONTACT: MAY CAUSE SKIN IRRITATION.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

EYE CONTACT: MAY CAUSE EYE IRRITATION.

INHALATION: MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND

UPPER RESPIRATORY TRACT. MAY BE HARMFUL IF INHALED. INGESTION:

MAY BE HARMFUL IF SWALLOWED.

SIGNS AND SYMPTOMS OF EXPOSURE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND

TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12:-----ECOLOGICAL INFORMATION-----

DATA NOT YET AVAILABLE



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SECTION 13:-----DISPOSAL CONSIDERATIONS-----.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL 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-----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL
INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. MANUFACTURER SHALL NOT BE HELD
LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING FROM CONTACT WITH THE ABOVE
PRODUCT.