

MATERIAL SAFETY DATA SHEET	
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SECTION 1. -----CHEMICAL IDENTIFICATION & COMPANY -----

CATALOG NO : NV2004

MANUFACTURER : NeoVac Ltd.
Unit 1&2 West, 127 Olympic Avenue,
OX14 4SA, Milton Park,
United Kingdom.

TEL:

FAX:

E-MAIL:

SECTION 2. -----COMPOSITION & INFORMATION ON INGREDIENTS -----

CAS NO. : NA

EINECS : ----

MOLECULAR FORMULA : NA

MOLECULAR WEIGHT : 707.18

SYNONYM : ----

SECTION 3. ----- HAZARDS IDENTIFICATION -----

APPEARANCE : Pale yellow color viscous liquid

PHYSICAL STATE : Liquid

ODOR : NO CHARACTERISTIC ODOUR

ROUTES OF ENTRY : NA

EFFECTS OF OVEREXPOSURE : NA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE : NA

CARCINOGENICITY : ----

SECTION 4. ----- FIRST-AID MEASURES -----

EYES : IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADIQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS

SKIN : IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER FOR ATLEAST 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHINGS AND SHOES.

INHALED : IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED SHOES

SECTION 5. ----- FIRE FIGHTING MEASURES -----

FLASH POINT : NO APPLICABLE INFORMATION FOUND.

OEL : NO APPLICABLE INFORMATION FOUND.

LEL : NO APPLICABLE INFORMATION FOUND.

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EXTINGUISHING MEDIA	:	WATER, CARBON DIOXIDE OR DRY CHEMICAL POWDER WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
SECTION 6. ----- ACCIDENTAL RELEASE MEASURES -----		
THE TOXICOLOGICAL PROPERTIES OF THIS MATERIAL WEAR SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR. DURING FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION. EXTINGUISHING MEDIA: USE AGENT MOST APPROPRIATE TO EXTINGUISH FIRE.		
SECTION 7. ----- HANDLING & STORAGE -----		
STORAGE	:	Store in a tightly closed container at -80°C temperature. KEEP CONTAINER CLOSED WHEN NOT IN USE.
HANDLING	:	WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. AVOID CONTACT WITH EYES, SKIN, AND COTHING. AVOID INGESTION AND INHALATION.
SECTION 8. ----- EXPOSURE CONTROLS & PERSONAL PROTECTION -----		
EYE PROTECTION	:	WHERE CHEMICAL GOGGLES OR FACE SHIELD.
RESPIRATORY PROTECTION	:	A RESPIRATORY PROTECTION PROGRAM THAT MEET OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS USE AN APPROVED RESPIRATOR
VENTILATION	:	LABORATORY FUME HOOD OR LOCAL EXHAUST VENTILATION.
OTHER PROTECTION EQUIPMENT	:	CHEMICAL RESISTANT GLOVES AND BODY COVERING TO MINIMISE SKIN CONTACT. IF HANDLED, IN A VENTILATED ENCLOSE, AS IN A LABORATING SETTING, RESPIRATOR AND GOGGLES OR FACE SHIELD MAY NOT BE REQUIRED.SAFETY GOGGLES ARE ALWAYS REQUIRED.
ADDITIONAL EXPOSURE PRECAUTIONS	:	IN PRODUCTION SETTINGS, AIRLINE-SUPPLIED, HOOD-TYPE RESPIRATORS ARE PREFERRED. SHOWER AND CHANGE CHLOTHING IF SKIN CONTACT OCCURS.
SECTION 9. ----- PHYSICAL & CHEMICAL PROPERTIES -----		
STATE	:	Liquid
APPEARANCE	:	Pale yellow color viscous liquid
MELTING POINT/ FREEZING POINT	:	No data available
ODOUR	:	No data available
BOILING RANGE	:	No data available
FLAMMABILITY	:	No data available
FLASH POINT	:	No data available
EVAPORATION RATE	:	No data available
DENSITY	:	No data available
VISCOCITY	:	No data available

VAPOR PRESSURE : No data available
EXPLOSIVE LIMITS : No data available
OXIDIZING PROPERTIES : No data available
WATER SOLUBILITY : No data available
EXPLOSIVE PROPERTIES : No data available
PH : No data available
PARTITION COEFFICIENT: No data available
VAPOUR DENSITY : No data available

SECTION 10. ----- STABILITY & REACTIVITY -----

STABILITY : Stable for 1 year at -80°C (in pure form).
INCOMPATIBILITIES : NA
HAZARDOUS
DECOMPOSITION : NA

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

TARGET ORGAN EFFECTS : Not Applicable
OTHER ADVERSE EFFECTS : Not Applicable

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DO NOT ALLOW TO ENTER WATERS, WASTE, OR SOIL.

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

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER ACCORDING TO STATE AND LOCAL ENVIRONMENTAL OF ALL APPLICABLE LAWS AND REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

REGULATORY ORGANIZATION:

1) DOT : NOT REGULATED
2) ICAO/IATA : NOT REGULATED
3) IMO : NOT REGULATED

SECTION 15. ----- REGULATORY INFORMATION -----

BELOW IS SELECTED REGULATORY INFORMATION CHOSEN PRIMARILY FOR POSSIBLE NEOVAC LIMITED. USAGE. THIS SECTION IS NOT A COMPLETE ANALYSIS OR REFERENCE TO ALL APPLICABLE REGULATORY INFORMATION. PLEASE CONSIDER ALL APPLICABLE LAWS AND REGULATIONS FOR YOUR COUNTRY/STATE.

EUROPEAN REGULATIONS :

SAFETY PHRASES : S 26 - AFTER CONTACT WITH EYE, WASH IMMEDIATELY WITH PLENTY OF WATER.
S 36/37/39 - WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
S 45 - IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

UNITED STATE REGULATIONS:

TSCA : NO
CERCLA : NOT ON THE LIST
SARA 302 : NOT ON THE LIST

SARA 313 : NOT ON THE LIST
OSHA SUBSTANCE
SPECIFIC : NO

SECTION 16. ----- OTHER INFORMATION -----

AS OF THE DATA OF ISSUANCE, WE ARE PROVIDING AVAILABLE INFORMATION RELEVANT TO THE HANDLING OF THIS MATERIAL IN THE WORKPLACE. ALL INFORMATION CONTAINED HEREIN IS OFFERED WITH THE GOOD FAITH BELIEF THAT IT IS ACCURATE.

THIS MATERIAL SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND {INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE}.

IN THE EVENT OF AN ADVERSE INCIDENT ASSOCIATED WITH THIS MATERIAL, THIS SAFETY DATA SHEET IS NOT INTENDED TO BE A SUBSTITUTE FOR CONSULTATION WITH APPROPRIATELY TRAINED PERSONNEL. NOR IS THIS SAFETY DATA SHEET INTENDED TO BE A SUBSTITUTE FOR PRODUCT LITERATURE WHICH MAY ACCOMPANY THE FINISHED PRODUCT. FOR AN ADDITIONAL INFORMATION AS WELL AS ADDITIONAL COPY CONTACT.

NEOVAC LIMITED.

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GLOSSARY:

1. **CAS NO.** : CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER.
2. **EINECS** : EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES.
3. **IARC** : INTERNATIONAL AGENCY FOR RESEARCH ON CANCER.
4. **NTP** : NATIONAL TOXICOLOGY PROGRAM (U.S.).
5. **ACGIH** : AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS.
6. **OSHA** : OCCUPATIONAL SAFETY AND HEALTH ACT.
7. **OEL** : OCCUPATIONAL EXPLOSIVE LIMIT.
8. **LEL** : LOWER EXPLOSIVE LIMIT
9. **DOT** : DEPARTMENT OF TRANSPORTATION.
10. **ICAO** : INTERNATIONAL CIVIL AVIATION ORGANIZATION.
11. **IATA** : INTERNATIONAL AIR TRANSPORT ASSOCIATION.
12. **IMO** : INTERNATIONAL MARITIME ORGANIZATION.
13. **TSCA** : TOXIC SUBSTANCES CONTROL ACT.

- 14. **CERCLA** : COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (OF 1980).
- 15. **SARA 302** : SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT-302.
- 16. **SARA 313** : SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT-313.