# MATERIAL SAFETY DATA SHEET REQUIRED UNDER SAFETY AND HEALTH REGULATION FOR SHIP REPAIRING

GENTAUR

DATE PREPARED: AUGUST 3, 2007

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HYDROXYUREA

PRODUCT NUMBER: HB0528

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

FORMULA: CH4N2O2

MOLECULAR WEIGHT: 76.05 G/MOL

CAS-NO. EC-NO. INDEX-NO. CONCENTRATION [%]

HYDRIXYCARBAMIDE

127-07-1 204-821-7 - -

SECTION 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** 

TARGET ORGANS BONE MARROW

WHMIS CLASSIFICATION

D2A VERY TOXIC MATERIAL CAUSING OTHER TOXIC

**EFFECTS** 

REPRODUCTIVE HAZARD

HMIS CLASSIFICATION

**HEALTH HAZARD: 0** 

CHRONIC HEALTH HAZARD: \*

FLAMMABILITY: 0 PHYSICAL HAZARDS: 0

POTENTIAL HEALTH EFFECTS

INHALATION MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION.

SKIN MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION.

EYES MAY CAUSE EYE IRRITATION.

INGESTION MAY BE HARMFUL IF SWALLOWED.

**SECTION 4. FIRST AID MEASURES** 

**GENERAL ADVICE** 

CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE.MOVE OUT OF DANGEROUS AREA.

IF INHALED

IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION CONSULT A PHYSICIAN.

IN CASE OF SKIN CONTACT

WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.

IN CASE OF EYE CONTACT

RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.

#### IF SWALLOWED

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

## SECTION 5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT NO DATA AVAILABLE

IGNITION TEMPERATURE NO DATA AVAILABLE

SUITABLE EXTINGUISHING MEDIA

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

WEAR SELF CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

USE PERSONAL PROTECTIVE EQUIPMENT. AVOID DUST FORMATION. AVOID BREATHING DUST. ENSURE ADEQUATE VENTILATION.

EVACUATE PERSONNEL TO SAFE AREAS.

**ENVIRONMENTAL PRECAUTIONS** 

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. DO NOT LET PRODUCT ENTER DRAINS. METHODS FOR CLEANING UP

PICK UP AND ARRANGE DISPOSAL WITHOUT CREATING DUST. KEEP IN SUITABLE, CLOSED CONTAINERS FOR DISPOSAL.

#### SECTION 7. HANDLING AND STORAGE

**HANDLING** 

AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. AVOID FORMATION OF DUST AND AEROSOLS.

PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE DUST IS FORMED. NORMAL MEASURES FOR PREVENTIVE FIRE

PROTECTION.

**STORAGE** 

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

MOISTURE SENSITIVE.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE USE A FULL-FACE PARTICLE RESPIRATOR TYPE N99

(US) OR TYPE P2 (EN 143) RESPIRATOR CARTRIDGES AS A BACKUP TO ENGINEERING CONTROLS. IF THE RESPIRATOR IS THE SOLE

MEANS OF PROTECTION, USE A FULL-FACE SUPPLIED AIR RESPIRATOR. USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED

UNDER APPROPRIATE GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).

HAND PROTECTION

HANDLE WITH GLOVES.

**EYE PROTECTION** 

SAFETY GLASSES

SKIN AND BODY PROTECTION

CHOOSE BODY PROTECTION ACCORDING TO THE AMOUNT AND CONCENTRATION OF THE DANGEROUS SUBSTANCE AT THE WORK

PLACE.

HYGIENE MEASURES

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE

PRODUCT.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** 

FORM SOLID

COLOUR NO DATA AVAILABLE

SAFETY DATA

PH NO DATA AVAILABLE

MELTING POINT 135 °C (275 °F)

**BOILING POINT NO DATA AVAILABLE** 

FLASH POINT NO DATA AVAILABLE

IGNITION TEMPERATURE NO DATA AVAILABLE

LOWER EXPLOSION LIMIT NO DATA AVAILABLE

UPPER EXPLOSION LIMIT NO DATA AVAILABLE

WATER SOLUBILITY NO DATA AVAILABLE

#### SECTION 10. STABILITY AND REACTIVITY

STORAGE STABILITY

STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

CONDITIONS TO AVOID

EXPOSURE TO MOISTURE.

MATERIALS TO AVOID

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS.

CARBON OXIDES, NITROGEN OXIDES (NOX)

## SECTION 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY** 

LD50 ORAL - RAT - 5,760 MG/KG

IRRITATION AND CORROSION

NO DATA AVAILABLE

**SENSITISATION** 

NO DATA AVAILABLE

CHRONIC EXPOSURE

THIS PRODUCT IS OR CONTAINS A COMPONENT THAT IS NOT CLASSIFIABLE AS TO ITS

CARCINOGENICITY BASED ON ITS IARC, ACGIH,

NTP, OR EPA CLASSIFICATION.

MAY ALTER GENETIC MATERIAL.

OVEREXPOSURE MAY CAUSE REPRODUCTIVE DISORDER(S) BASED ON TESTS WITH LABORATORY ANIMALS.

SIGNS AND SYMPTOMS OF EXPOSURE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY

INVESTIGATED.

POTENTIAL HEALTH EFFECTS

INHALATION MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION.

SKIN MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION.

EYES MAY CAUSE EYE IRRITATION.

INGESTION MAY BE HARMFUL IF SWALLOWED.

TARGET ORGANS BONE MARROW,

## **SECTION 12. ECOLOGICAL INFORMATION**

E LIMINATION INFORMATION (PERSISTENCE AND DEGRADABILITY)

NO DATA AVAILABLE

**E COTOXICITY EFFECTS** 

NO DATA AVAILABLE

FURTHER INFORMATION ON ECOLOGY

NO DATA AVAILABLE

**SECTION 13. DISPOSAL CONSIDERATIONS** 

**PRODUCT** 

OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE

TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR

EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

**SECTION 14. TRANSPORT INFORMATION** 

DOT (US)

**NOT DANGEROUS GOODS** 

**IMDG** 

NOT DANGEROUS GOODS

IATA

NOT DANGEROUS GOODS

**SECTION 15. REGULATORY INFORMATION** 

**TSCA STATUS** 

NOT ON TSCA INVENTORY

**HYDRIXYCARBAMIDE** 

CAS-NO.

127-07-1

**DSL STATUS** 

ALL COMPONENTS OF THIS PRODUCT ARE ON THE CANADIAN DSL LIST.

WHMIS CLASSIFICATION

D2A VERY TOXIC MATERIAL CAUSING OTHER TOXIC

**EFFECTS** 

REPRODUCTIVE HAZARD

**SECTION 16 - OTHER INFORMATION** 

**DISCLAIMER** 

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