

***NRP***

# MATERIAL SAFETY DATA SHEET

## PRODUCT IDENTIFICATION

PRODUCT: NRP SCALE DISSOLVER & INHIBITOR	HMIS CODES:	H	F	R
PRODUCT CODE: NSR1G, NSR56		3	0	0

**MANUFACTURER: COMSTAR INTERNATIONAL INC.**

**ADDRESS:** 20-45 128<sup>th</sup> STREET, COLLEGE POINT, NY 11356

**EMERGENCY: CHEMTREC - 800-424-9300**

PREPARER: R. Madariaga

**DISTRIBUTOR: NATIONAL REFRIGERATION PRODUCTS**

**2900 SAMUEL DRIVE · BENSALEM, PA 19020-7306**

**1-800-352-6951**

## HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY)	CAS NUM	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENTAGE (OPTIONAL)
HYDROCHLORIC ACID	7647-01-0	1MG/M3	1MG/M3		
1,3 DIETHYLTHIOUREA	001505-55-5	NE	NE		
ALKYK PYRIDINES	68391-11-7	NE	NE		
SULFURIC ACID	7664-93-9	1MG/M3	1MG/M3		
INDICATOR	NONE	NE	NE		

## PHYSICAL/CHEMICAL CHARACTERISTICS

**MELTING POINT: NONE**

**SPECIFIC GRAVITY ( $H_2O=1$ ): 1.5-1.7**

**EVAPORATION RATE: (BUTYL ACETATE=1): >1**

TH ACIDIC ODOR.

## FIRE AND EXPLOSION HAZARD DATA

**FLAMMABLE LIMITS:** LET: UEL:

**EXTINGUISHING MEDIA:** WATER FOG, DRY CHEMICAL, UNIVERSAL FOAMS, CO2.

**SPECIAL FIREFIGHTING PROCEDURES:** SELF-CONTAINED RESPIRATORY PROTECTION SHOULD BE PROVIDED FOR FIREMEN FIGHTING IN BUILDINGS OR CONFINED AREAS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN.**

## REACTIVITY DATA

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR**

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**CONDITIONS TO AVOID:** SEE BELOW      **CONDITIONS TO AVOID:** SEE BELOW  
**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG OXIDIZING AND ALKALINE AGENTS.  
**HAZARDOUS DECOMPOSITION OR PRODUCTS:** NONE KNOWN.

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### **HEALTH HAZARD DATA**

**ROUTE(S) OF ENTRY:**            INHALATION? YES      SKIN? YES      INGESTION? YES

**HEALTH HAZARDS (ACUTE & CHRONIC):** THIS PRODUCT IS ACIDIC AND CAN CAUSE CHEMICAL BURNS IF NOT WASHED OFF OF SKIN PROMPTLY. DO NOT BREATHE VAPORS AS THEY CAN BE HARMFUL TO THE RESPIRATORY TRACT.

**CARCINOGENITY:** NO            NTP? NO            IARC MONOGRAPHS?            OSHA REGULATED? NO

**SIGNS AND SYMPTOMS OF EXPOSURE:**      SKIN OR RESPIRATORY IRRITATION, NAUSEA, DIZZINESS.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** NONE KNOWN.

#### **EMERGENCY AND FIRST AID PROCEDURES:**

**SKIN:** REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREA WITH SOAP AND WATER.

**EYES:** HOLD EYELIDS OPEN AND FLUSH WITH WATER IMMEDIATELY AND CONTINUE FOR 15 MINUTES.

**INGESTION:** DRINK PLENTY OF WATER FOLLOWED BY EGGS.

**INHALATION:** REMOVE TO FRESH AIR.

**SEEK MEDICAL ATTENTION IN ALL CASES.**

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### **PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL:** USE ABSORBENT MATERIALS TO SOAK UP SMALL SPILLS. SWEEP OR SHOVEL INTO AN APPROPRIATE HOLDING CONTAINER.

**WASTE DISPOSAL METHOD:** DISPOSE OF ALL WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**PRECAUTIONS FOR STORAGE AND HANDLING:** KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME OR DIRECT SUNSHINE. DO NOT PUNCTURE OR INCINERATE.

**OTHER PRECAUTIONS:** INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATION AND INHALING VAPOR CONTENTS CAN BE HARMFUL.

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### **CONTROL MEASURES**

**RESPIRATORY PROTECTION:** USE NIOSH APPROVED RESPIRATOR IF LIMITS ARE EXCEEDED.

**VENTILATION: LOCAL EXHAUST:** YES

**SPECIAL:** NONE

**MECHANICAL (GENERAL):** YES

**OTHER:** NONE

**PROTECTIVE GLOVES:** POLYFLUORINATED OR POLYVINYL ALCOHOL OR VITON.

**EYE PROTECTION:** SAFETY GOGGLES OR FACE SHIELD.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** PLASTIC OR RUBBER APRON.

**WORK/HYGIENIC PRACTICES:** WASH HANDS AFTER USE.

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### **DISCLAIMER**

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