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U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

# MATERIAL SAFETY DATA SHEET

rcvd. 8/24/95

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME Norsk Hydro a.s c/o WGM/Hydro		EMERGENCY TELEPHONE NO. 415/871-1770
ADDRESS (Number, Street, City, State, and ZIP Code) 270 Lawrence Ave., So. San Francisco, CA 94080		
CHEMICAL NAME AND SYNONYMS Urea	TRADE NAME AND SYNONYMS Viking Ship Urea	
CHEMICAL FAMILY Diamide of CO <sub>2</sub>	FORMULA (NH <sub>2</sub> ) <sub>2</sub> CO	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	N/A		BASE METAL	N/A	
CATALYST	N/A		ALLOYS	N/A	
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS	N/A		FILLER METAL PLUS COATING OR CORE FLUX	N/A	
ADDITIVES	N/A		OTHERS	N/A	
OTHERS	N/A			N/A	
BLENDED MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
NONE					

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## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Decomposes	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.3352/ml
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER (at 25°C)	120g/100 ml		133°C
APPEARANCE AND ODOR	White Prills		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA Water			
SPECIAL FIRE FIGHTING PROCEDURES Flood with water			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	None established
EFFECTS OF OVEREXPOSURE	No significant hazard
EMERGENCY AND FIRST AID PROCEDURES	No significant hazard. Usual caution should be exercised to minimize contact to skin and eyes and to avoid inhaling its dust. Flush skin and eyes with water

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None
INCOMPATIBILITY (Materials to avoid)	None		
HAZARDOUS DECOMPOSITION PRODUCTS	None		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Collect spillage for suitable disposal on arable land away from drinking water.
WASTE DISPOSAL METHOD	No special method of disposal indicated-same as above.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)			
Filter respirator in dusty atmosphere			
VENTILATION	LOCAL EXHAUST	Adequate to move dust	SPECIAL None
	MECHANICAL (General)	Adequate to move dust	OTHER None
PROTECTIVE GLOVES	None	EYE PROTECTION	If Necessary for dust.
OTHER PROTECTIVE EQUIPMENT	Adequate personal hygiene; dust proof covering.		

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	No special precautions indicated.
OTHER PRECAUTIONS	

PAGE (2)

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Form OSHA-20

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