



NORAC

THE NORAC COMPANY, INC.
Azusa, CA

MATERIAL SAFETY DATA SHEET

MSDS
Reference

Print Date
06/09/03

BW-4 BLUE CONCENTRATE

SECTION I - GENERAL INFORMATION

MANUFACTURER	The Norac Company, Inc.	EMERGENCY TELEPHONE	(626) 334-2908
ADDRESS	405 S. Motor Ave., Azusa, CA 91702	CHEMTREC	1-800-424-9300
PRODUCT NAME	BW-4 Blue Concentrate	CAS NO.	See below
CHEMICAL NAME	Mixture of Blue Dye and Propylene Glycol	FORMULA	Mixture
CHEMICAL FAMILY	Acid Blue 83 in Propylene Glycol		

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>CAS NO.</u>	<u>%</u>	<u>HAZARD DATA</u>
Acid Blue 83	6104-59-2	4	Unknown
Propylene Glycol	57-55-6	96	Oral-Rat LD ₅₀ : 20 g/kg

SECTION III - PHYSICAL DATA

BOILING POINT °F	370	SPECIFIC GRAVITY (Water=1)	1.04
VAPOR PRESSURE mm Hg.	.2mm at 20°C	% VOLATILE BY VOLUME	N/A
VAPOR DENSITY (Air=1)	2.52	EVAPORATION RATE	N/A
SOLUBILITY IN WATER	Soluble		
APPEARANCE AND ODOR	Intensely dark blue liquid with a faint sweet odor.		

SECTION IV - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Unknown
ROUTES OF EXPOSURE	
Skin Absorption	May cause mild skin irritation, and will stain the skin blue.
Eye Contact	Eye contact may cause inflammation.
Ingestion	Slightly toxic by ingestion. May cause human systemic effects: general anesthesia, convulsions, and changes in surface EEG.
Inhalation	N/A
EFFECTS OF OVER-EXPOSURE	Experimental teratogenic and reproductive effects. Mutation data reported.

EMERGENCY AND FIRST AID PROCEDURES

Skin	Wash contaminated area thoroughly with soap and water.
Eyes	Flush eyes with water for 15 minutes and seek medical attention.
Ingestion	Induce vomiting if large amounts are ingested. Call a poison control center and seek medical attention.

SECTION V - REACTIVITY DATA

INCOMPATIBILITY (Materials to avoid)	Oxidizing material
STABILITY	Stable.
HAZARDOUS DECOMPOSITION PRODUCTS	Acrid smoke and irritating fumes.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION VI - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	None
VENTILATION	Mechanical (general).
EYE PROTECTION	Safety goggles recommended.
HAND PROTECTION	Solvent resistant gloves recommended to prevent staining of the skin..
OTHER	Full length outer wear to prevent staining of the skin.

BW-4 BLUE CONCENTRATE**SECTION VII - FIRE AND EXPLOSION DATA**

FLASH POINT (Method Used) 225°F (C.O.C.) **FLAMMABLE LIMITS:** LEL 2.6 % by volume
UEL 12.5% by volume

EXTINGUISHING MEDIA Water, foam or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES None

UNUSUAL FIRE AND EXPLOSION HAZARDS Residue from fire or spill is a blue dye.

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE Clean up by absorbing with rags, sponges, vermiculite, sand or paper towels. Package absorbed BW-4 in leak proof container.

WASTE DISPOSAL METHOD Dispose of waste material in accordance with federal, state and local regulations.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING BW-4 will dye or stain most organic substances a vivid blue. Prevent contact with materials which are not to be dyed blue.

OTHER PRECAUTIONS None

SECTION X - REGULATORY INFORMATION

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Percent</u>
None		

Status of Carcinogenicity

Not recognized as a carcinogen by the IARC, NTP or OSHA.

NFPA 704 Rating

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
0	1	0

SECTION XI - SHIPPING DESCRIPTION

CHEMICALS NOIBN
NO DOT LABEL REQUIRED

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