

MATERIAL SAFETY DATA SHEET

SECTION I

Manufacturer DIFCO LABORATORIES, INC.		Emergency Telephone Numbers 800 521-0851 313 462-8500	
Address (Number, Street, City, State, and Zip Code) P.O. BOX 331058		Chemical Name and Synonyms SPOTTESTTM NITRATE REAGENT B	
Detroit MICHIGAN 48232-7058		Trade Name and Synonyms 3555	
Chemical Family		Formula	

SECTION II - HAZARDOUS INGREDIENTS

Paints, Preservatives, and Solvents	%	TLV (Units)	Alloys and Metallic Coatings	%	TLV (Units)
Pigments		N Ap	Base Metal		N Ap
Catalyst		N Ap	Alloys		N Ap
Vehicle		N Ap	Metallic Coatings		N Ap
Solvents		N Ap	Filler Metal Plus Coating or Core Flux		N Ap
Additives		N Ap	Others		—
Others		—			

Hazardous Mixtures of Other Liquids, Solids or Gases	LD ₅₀	CAS#	%	TLV (Units)
Acetic Acid	3530 mg/kg (Or-rat)	64-19-7	28.4	25 mg/M ³
N,N-Dimethyl-1-Naphthylamine (See Section X)	LD ₅₀ : 500 mg/kg (Or-rat)	86-56-6	0.6	N Est

SECTION III - PHYSICAL DATA

Boiling Point (°F)	N Av	Specific Gravity (H ₂ O = 1)	N Av
Vapor Pressure (mm Hg.)	N Av	Percent Volatile by Volume (%)	N Ap
Vapor Density (AIR = 1)	N Av	Evaporation Rate (= 1)	N Av

Solubility in Water
Complete

Appearance and Odor
Clear, light yellow liquid with an acetic acid odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N Ap	Flammable Limits	Lei	Uei
Extinguishing Media	N Ap			

Special Fire Fighting Procedures

N Ap

Unusual Fire and Explosion Hazards

N Ap

SECTION V - LISTED IN AS A CARCINOGEN

NTP	IARC	Other
OSHA		N Ap

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Prepared By: Ellen M. Bernard

DIFCO LABORATORIES
 DETROIT MICHIGAN USA

MARCH 1991

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SECTION VI - HEALTH HAZARD DATA

Threshold Limit Value 88 mg/M³ for SpotTest Nitrate Reagent B based on Acetic Acid content
Permissible Exposure Limit N Ap

Other

Effects of Overexposure

Contact with skin or eyes may cause blisters or burns.

Emergency First Aid Procedures

In Case of Contact: Immediately flush eyes and skin with plenty of water for at least 15 minutes.
Call a Physician.

Primary Routes of Entry

Contact.

SECTION VII - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	

X N Ap

Incompatibility (Material to Avoid)

N Ap

Hazardous Decomposition Products

N Ap

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	

X N Ap

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled

Use rubber gloves. Wipe up with a damp sponge or mop, rinse down drain with plenty of water.

Waste Disposal Method

Flush down drain with plenty of water.

SECTION IX - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type) N Ap

Ventilation	Local Exhaust	Special
	Mechanical (General)	

N Ap

Protective Gloves	Rubber gloves	Eye Protection	Safety Goggles

Other Protective Equipment N Ap

SECTION X - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

WARNING: Possible Carcinogen. Avoid contact. Although not listed by OSHA as a carcinogen, N,N-Dimethyl-1-Naphthylamine is similar enough to 1-Naphthylamine to warrant this warning.

Other Precautions

N Ap