

MATERIAL SAFETY DATA SHEET



ND INDUSTRIES, INC.
1893 BARRETT ROAD
TROY, MICHIGAN 48084
(248) 288-0000 Fax: (248) 288-0022
24 hr. EMERGENCY CHEMTREC:
1-800-424-9300

PRODUCT: 612213 Anaerobic Primer T
MSDS ID: ND2114
DATE: 5/14/98 Updated: 02/13/01
PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information H: 2 F: 4 R: 0 PPE: H

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Heptane	142-82-5	60-65	400 ppm	400 ppm	TWA
Acetone	67-64-1	25-30	1000 ppm	750 ppm	
Isopropyl alcohol	67-63-0	10-15	400 ppm	400 ppm	
N,N-Dimethyl-para-toluidine	NDA-02-190	99-97-8	1-4	n.e.	
2-Mercaptobenzothiazole	NDA-02-32	149-30-4	1-4	15 mg/m3	10 mg/m3 Total dust

All ingredients are listed on the TSCA Inventory.

n.a.= not applicable / n.e.=not established

SECTION II -Physical and Chemical Characteristics

BOILING POINT:	208°F
VAPOR DENSITY:	3.5 air = 1
VAPOR PRESSURE:	40mmHg at 68°F
MELTING POINT:	n.a.
SPECIFIC GRAVITY:	>0.68 at 77°F water = 1
EVAPORATION RATE:	~4.5 Butyl acetate = 1
WATER REACTIVE:	No
SOLUBILITY IN WATER:	Insoluble
APPEARANCE AND ODOR:	Yellow liquid with a the odor of solvent.

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: <30°F TCC

AUTOIGNITION TEMPERATURE: n.e.

FLAMMABILITY LIMITS % IN AIR: LEL: 1.1% UEL: 7%

EXTINGUISHER MEDIA: Use Carbon dioxide, foam, and dry chemical to extinguish fires.

SPECIAL FIREFIGHTING PROCEDURES:

Fire fighters should use self-contained breathing apparatus and wear protective clothing. Use light water spray to cool fire-exposed containers and structures.

UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:

Direct water jet will spread burning material. Combustion products will yield toxic and highly irritating vapors. Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively. Cool sealed drums with light water spray to lessen chance of rupture.

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Heptane	not established	not established	not established
Acetone	5.8 g/kg (rat)	20 g/kg (rabbit)	21,142 ppm (rat)
Isopropyl alcohol	not established	not established	not established
N,N-Dimethyl-para-toluidine	550 mg/kg (rat)	not established	not established
2-Mercaptobenzothiazole	not established	not established	not established

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: Above time weighted average, use a NIOSH approved respirator.

PROTECTIVE GLOVES: Wear plastic or rubber gloves to protect hands.

EYE PROTECTION: Wear splash proof goggles to protect eyes.

VENTILATION TO BE USED: LOCAL EXHAUST: MECHANICAL: SPECIFIC: OTHER (specify):

PROTECTIVE CLOTHING AND EQUIPMENT: Eye wash and safety shower. Use a protective plastic or rubber apron.

HYGIENIC WORK PRACTICES: Practice good personal hygiene and wash hands after using product.

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Use absorbent material to soak up small spills or allow to evaporate in well ventilated areas. Large spills should be contained and collected in a drum for disposal. Only persons with suitable protective gear should enter spill area for clean-up.

WASTE DISPOSAL METHODS: Dispose of in accordance with local, state, and federal regulations.

SAFE HANDLING AND STORAGE: Store in a cool, dry, well ventilated place. Keep away from ALL sources of ignition. Avoid contact with eyes.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

Keep container closed when not in use. Keep well ventilated. Avoid all sources of ignition.

**RECOMMENDED
NFPA/HMIS
RATING**

HEALTH 2

FLAMMABILITY 4

REACTIVITY 0

**PERSONAL
PROTECTION H**

note: ratings may differ according to application, environment, and physical state.

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NOTES:

Proper DOT shipping name:
Flammable liquids, toxic, n.o.s./
3/UN1992,II,
Labels: Flammable liquids/Poison

SECTION 313 SUPPLIER NOTIFICATION

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
67-64-1	Acetone	25.8

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

<u>material</u>	<u>CAS #</u>	<u>Concentration</u> <u>%</u>	<u>cancer</u> <u>agent</u>	<u>Reproductive</u> <u>Toxin</u>	<u>cancer</u> <u>agent</u> & <u>Reproductive</u> <u>Toxin</u>
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