

FOR COATINGS, RESINS, AND RELATED MATERIALS  
(APPROVED BY THE U.S. DEPARTMENT OF LABOR AS  
'ESSENTIALLY SIMILAR' TO FORM OSHA-20)  
(MEETS REQUIREMENTS OF CFR 29 PART 1910.1200,  
OSHA'S HAZARD COMMUNICATION STANDARD)

NPCA 1-84

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SECTION 1 - MANUFACTURER AND PRODUCT INFORMATION  
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CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT ID . . . . . : F151-1051B 1G  
PRODUCT CLASS . . . . . : POLYAMINOAMIDE  
TRADE NAME . . . . . : SERIES 151 ELASTO-GRIP CONVERTER  
FORMULA ID . . . . . : F151-1051B  
FORMULA VERSION NUMBER . . . . . : 5  
MSDS PREPARATION DATE . . . . . : 01-22-98

MANUFACTURER IDENTIFICATION:

NAME . . . . . : TNEMEC COMPANY, INC.  
ADDRESS . . . . . : 123 WEST 23RD AVENUE  
NORTH KANSAS CITY, MO. 64116-3064  
TELEPHONE . . . . . : 816-474-3400  
EMERGENCY TELEPHONE . . . . . : 816-474-1425

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SECTION 2 - HAZARDOUS INGREDIENTS  
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AMINE COMPOUNDS  
PCT BY WT: 1.7650  
EXPOSURE LIMIT:

2

CAS# 124-17-4  
DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE  
PCT BY WT: 1.7590 VAPOR PRESSURE: .010 MMHG @ 68F  
EXPOSURE LIMIT:

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This product contains no reported carcinogens or suspected  
carcinogens.  
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The information contained in this section is considered confidential  
and proprietary and should be used only for safety and health purposes.  
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SECTION 3 - HEALTH HAZARD INFORMATION  
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EMERGENCY OVERVIEW:

POTENTIAL HEALTH EFFECTS:

EYE:  
irritation

SKIN:  
Mild irritation, drying of skin.  
Can be a skin sensitizer.

INHALATION - OVEREXPOSURE TO SOLVENT VAPORS OR SPRAY MIST:

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Nasal and respiratory irritation, anesthetic effects, dizziness, weakness, fatigue, nausea, and headache.

INHALATION - OVEREXPOSURE TO FREE PIGMENT DUST:

INGESTION:

Gastrointestinal irritation.

CHRONIC EFFECTS:

TARGET ORGANS:

- Can cause eye irritation.
- Can cause gastrointestinal tract irritation.
- Can cause skin irritation.
- Can cause skin sensitization.
- Can cause respiratory tract irritation.

OTHER:

This product when mixed with other components acquires the hazards of all components.

PRIMARY ROUTES OF ENTRY:

Dermal.

PROPOSITION 65:

Pigments and/or other raw materials present in this product contain trace amounts of a chemical or chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT:

Flush immediately with large amounts of clean water under low pressure for at least 15 minutes. Consult a physician.

SKIN CONTACT:

Wash affected area with soap and water. Remove contaminated clothing. Dispose of or launder accordingly. Consult a physician if skin irritation persists.

INHALATION:

Remove affected individual to fresh air. Treat symptomatically. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Consult a physician.

INGESTION:

Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult a physician or poison control center IMMEDIATELY. Treat symptomatically.

NOTE TO PHYSICIAN:

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

FIRE AND EXPLOSIVE PROPERTIES OF THE CHEMICAL:

Flammability Classification . . . . .	:	
Flashpoint . . . . .	:	221.00
Explosion Level . . . . .	:	Low - .80
		High - -N/A
Flammability Limits . . . . .	:	Lower - -N/A

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Higher - -N/A

Auto-ignition Temperatures . . . . . : -N/A

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, water spray.

FIRE-FIGHTING PROCEDURES AND EQUIPMENTS:

SECTION 6 - SPILL OR LEAK PROCEDURES

CLEAN-UP:

Remove all sources of ignition. Spills may be collected with inert, absorbent material for proper disposal. Use non-sparking tools, protective gloves, goggles and clothing, adequate ventilation, avoid the breathing of vapors and use respiratory protective devices. Transfer absorbent material to suitable containers for proper disposal.

SECTION 7 - SPECIAL PRECAUTIONS

HANDLING AND STORAGE:

Store in dry area. Keep closures tight and upright to prevent leakage. Do not store in high temperature areas or near fire or open flame. Refer to product data sheet for recommended storage temperatures.

SPECIAL COMMENTS:

Prevent prolonged breathing of airborne contaminants such as vapor, spray mists, or dusts. Prevent contact with skin and eyes. Do not take internally. Keep out of reach of children. Do not reuse or alter containers without proper industrial cleaning. Do not weld or flame cut empty, uncleaned containers due to potential fire and explosion hazard. Consult product data sheet for proper application instructions.

SECTION 8 - SAFE HANDLING AND USE INFORMATION

HYGENIC PRACTICES:

Wash hands and other contaminated skin areas with warm soap and water before eating.

EYE PROTECTION:

Use chemical resistant splash type goggles.

RESPIRATORY PROTECTION:

Respiratory protective devices must be used when engineering and administration controls are not adequate to maintain Threshold Limit Values (TLV) and Permissible Exposure Limits (PEL) of airborne contaminants below the listed values for those hazardous ingredients identified in Section II of this MSDS. Observe OSHA regulations for respirator use (CFR 29, 1910.134) whenever a respirator is used. Particulate, chemical cartridge, air purifying half-mask respirators can be used within certain limitations; consult the respirator manufacturer for specific uses and limitations. Where airborne

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contaminant concentrations are unknown, the use of a NIOSH/MSHA approved fresh-air supplied respirator is mandatory.

OTHER PROTECTION:

Use Chemical resistant gloves.  
 Use protective cream where skin contact is likely.

VENTILATION:

Heavier than air solvent vapors should be removed from lower levels of work area due to potential explosion hazard and all ignition sources (non-explosion proof equipment) should be eliminated if flammable mixtures will be encountered.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure . . . . .	:	.010	
Vapor Density . . . . .	:	-N/A	
Boiling Range . . . . .	:	Lower - 235.00 °F	
		Higher - 250.00 °F	
Formula Weight per Volume . . . . .	:	8.41790	LB/GL LB
VOC IN LBS PER GALLON . . . . .	:	1.1830	
Evaporation Rate . . . . .	:	.0000	(Ether = 1) (Ether
% Volatile by Weight . . . . .	:	2.299	
% Volatile by Volume . . . . .	:	2.320	

SECTION 10 - STABILITY AND REACTIVITY

INCOMPATIBILITIES:

Acids.  
 Alkalis.

DECOMPOSITION:

Carbon monoxide, carbon dioxide, hydrocarbon fragments

CONDITIONS TO AVOID:

POLYMERIZATION:

Will not occur.

STABILITY:

Stable.

SECTION 11 - TOXICOLOGICAL INFORMATION

OTHER:

Consult various toxicology references such as NIOSH's "Registry of Toxic Effects of Chemical Substances" or Sax's "Dangerous Properties of Industrial Chemicals" for specific toxicity information regarding hazardous ingredients.

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SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Dispose of in accordance with Federal, state, and local regulations regarding pollution.

SECTION 14 - TRANSPORT INFORMATION

DOT HAZARD CLASS .....:  
TRANSPORTATION ASSISTANCE:

SECTION 15 - REGULATORY INFORMATION

FEDERAL REGULATIONS:

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 of 40 CFR 372:

DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE  
CAS# 124-17-4 PCT BY WT: 1.7590

STATE REGULATIONS:

SECTION 16 - OTHER INFORMATION

Prepared by . . . . . : Kevin Settles  
Date of issue . . . . . : 01-22-98  
Last Revision Date . . . . . : 11-19-96  
MSDS Prepared for . . . . . :

MSDS Last Prepared . . . . . : NONE

HMIS Information: Health- Flammability-  
Reactivity-