

TNT PLUS

Material Safety Data Sheet

Trade Name: TNT Plus
Manufactured For: Clayton Associates, Inc.
 575 Prospect St. Unit 213
 Lakewood, NJ 08701-5040
 USA
 Tel: 732-363-2100
 Fax: 732-364-6084
Emergency Telephone: 716-746-7350
Date of M.S.D.S.: 3/16/99

SECTION 1 - IDENTIFICATION

Trade Name: TNT Plus
Chemical Family: Biomass Alcohol microemulsion
Formula: Trade Secret
DOT Shipping Information: Not Regulated
CAS Number: Not Applicable (Trade Secret Mixture)
NFPA Designation: This product has not been rated by the NFPA. Clayton Associates has developed the following rating in accordance with the guidelines listed in NFPA 704, "Identification System-Fire Hazardous of Materials, 1985".

Hazard Rating:

		Health:	1
4 - Extreme	1 - Slight	Flammability:	0
3 - High	0 - None	Reactivity:	0
2 - Moderate	X - Blank	Specific:	X

SECTION II - HAZARDOUS INGREDIENTS

Material:	% By Weight	CAS Number	LC ₅₀ / LD ₅₀ of Material
NONE-Hazardous			

Carcinogenicity Status: National Toxicological Program-No OSHA-No
Trade Secret Information*

* This product's specific chemical identify is being withheld as a trade secret and is withheld in accordance with the provisions of **CFR 1910.1200**.

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with Clayton Associates or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances. The information contained herein is provided in good faith, however, no warranty, either expressed or implied shall be made from the preceding.

SECTION III - PHYSICAL DATA

Appearance:	Clear Liquid
Odor:	Slight Pine
pH:	10.0 - 11.0 (no free alkali)
Viscosity (cps.)	11.7 cps
% Volatile:	N/A
Solubility in Water:	Complete less than 10% dilutions, more than 10% slightly soluble
Specific Gravity (Water=1):	1.040 @ 25 deg C.
Vapor Density (Air=1):	2.682 g/l
Vapor Pressure (mm Hg):	< 0.5914

SECTION IV - FIRE AND EXPLOSION

Flash Point:	None to boiling (T.C.C.)
Auto Ignition Temperature:	N/A
Flammable Limits in Air (g/l)	LEL = 0.09 UEL = 0.55
Extinguishing Media:	Dry chemical (sodium bicarbonate), foam or CO ₂
Special fire Procedures:	Use blanket or smothering effect to put out the fire. Water is most effective when used as a mist or spray. Class B fire procedures.

SECTION V - HEALTH HAZARD INFORMATION

Medical Conditions Aggravated by Exposure:	None known or established
Routes of Exposure:	
Inhalation-	In extreme cases, may cause irritation to mucus membrane
Skin Contact-	In extreme and rare cases, may cause irritation or dermatitis
Skin Absorption-	In extreme cases, may cause irritation or dermatitis
Eye Contact-	May cause stinging or burning
Ingestion-	May cause irritation to the digestive system
Effects of Acute Over Exposure:	
Swallowing-	May cause irritation in the digestive system
Skin Contact-	May cause irritation or dermatitis
Inhalation-	May cause irritation to mucus membrane
Eye Contact-	May cause stinging or burning
Effects of Chronic Over Exposure:	
Eye-	May cause eye irritation
Skin-	None known
Emergency First Aid Procedures:	
Eyes-	If in eyes, flush with plenty of water for at least 15 minutes. Get medical attention.
Skin-	This product has not established any skin irritation..

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Inhalation- None-No adverse effect established
Ingestion- Drink large quantities of milk or water.


SECTION VI - REACTIVITY DATA

Conditions Contributing to Instability: This product is stable under normal conditions.
Incompatibility: Strong oxidizing agents.
Decomposition Products: None Known
Conditions Contributing to Hazardous Polymerization: Will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken if Material is Released or Spilled: TNT Plus is biodegradable. Flush to sewer
Waste Disposal: Virgin material is not regulated by the Resource Conservation and Recovery Act (RCRA) (40CFR part 260-261).

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation Requirements: None Required
Special Personal Protective Equipment: 
Respiratory- None required
Eyes- As with any chemical never get into eyes. If, persistent eye contact continues use a chemical splash goggles and / or face shield.
Gloves- None required, if irritation exists, use rubber gloves.
Other- No special protection required.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in Handling: Do not get in eyes.
Proper Storage, Handling and Disposal Requirements: Store in cool dry area. Keep container closed when not in use. Store away from strong oxidizing agents. **CAUTION: KEEP OUT OF REACH OF CHILDREN.**
Other Precautions: Prolonged contact with skin may cause chapping. No special precautions are required.

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Regulatory Information

All ingredients are included in the Toxic Substance Control Act (TSCA) Inventory of Chemical Substances. This product is biodegradable. Check with local authorities, this product does not require reporting, if spill occurs. It can be flushed to sewer.

MSDS Prepared by: Clayton Associates, Inc
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