
MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : BRUSH TYPE BNDRY PNT-ALL COLOR
 IDENTIFICATION NUMBER : E&I 29 27
 PRODUCT USE/CLASS : Tree Marking Paint

DATE PRINTED: 05/30/02

SUPPLIER:
 The Nelson Paint Co of Michigan Inc
 PO Box 2040
 Kingsford, MI 49802-2040

MANUFACTURER:
 The Nelson Paint Co of Michigan Inc
 PO Box 2040
 Kingsford, MI 49802-2040

EMERGENCY TELEPHONE : 800-255-3924
 CHEMTEL : 24 hours

EMERGENCY TELEPHONE : 800-255-3924
 CHEMTEL : 24 hours

PREPARER: Doyle Yoder, PHONE: 906-774-5566, PREPARE DATE: 05/30/02

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT		OCCUPATIONAL EXPOSURE LIMITS				SKIN
		IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING		
Methyl Alcohol	67-56-1	5.0 %	200ppm	250ppm	200ppm	N.E.	YES	
Aliphatic Hydrocarbons	8052-41-3	60.0 %	100ppm	N.E.	100ppm	N.E.	NO	

(See Section XI for abbreviation legend)

SECTION III - PHYSICAL DATA

BOILING RANGE :	147 - 385 F	VAPOR DENSITY :	Is heavier than air
ODOR :	Slight Solvent	SPECIFIC GRAVITY :	0.9432
APPEARANCE :	Orange Liquid	EVAPORATION RATE :	Is faster than Butyl Acetate
SOLUBILITY IN H2O :	Partial		
VOLATILE BY WEIGHT :	57.4 %	VOLATILE BY VOLUME :	68.6 %
VOCS, lbs/gal :	4.50	VOCS, grams/ltr :	540

(See Section XI for abbreviation legend)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT :	90 F	LOWER EXPLOSIVE LIMIT :	1.0 %
		UPPER EXPLOSIVE LIMIT :	36.0 %

EXTINGUISHING MEDIA : ALCOHOL FOAM CO2 DRY CHEMICAL FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.
 Keep containers tightly closed . Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - INHALATION: Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis (characterized by bluish discoloration of the skin and nails) may result from over-exposure to vapor or skin exposure.

EFFECTS OF OVEREXPOSURE - INGESTION: This material may be harmful or fatal if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: **WARNING!** Contains lead compounds. May be harmful if swallowed, inhaled or absorbed through the skin. Symptoms include abdominal pain, nausea, vomiting, headache, dizziness and coma. Repeated exposure may cause lead poisoning due to accumulation. Overexposure may cause neurological and kidney effects and anemia. May cause narcosis.

Occupational Exposure Limits are unlikely to be approached during outdoor application. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for 15 minutes. Get immediate medical attention.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water. Wash with soap and water. Remove soiled clothing. Wash clothing separately before reuse. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: NOTE TO PHYSICIAN:

This product contains methanol which can cause intoxication and central nervous system depression. Methanol is metabolized to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used to prevent methanol metabolism. Ethanol administration is indicated in symptomatic patients or at methanol concentrations above 20 UG/DL. Methanol is effectively removed by hemodialysis. Keep person warm, quiet and get immediate medical attention. Do NOT induce vomiting, because aspiration of material into the lungs from vomiting can cause chemical pneumonitis which can be fatal.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION INGESTION EYE CONTACT

SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products: CO, CO2 and Nox.

CONDITIONS TO AVOID: Heat, sparks and open flames.

INCOMPATIBILITY: Avoid contact with: strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment. Dike around spilled material. Cover spill with absorbent material and shovel with non-sparking tools into container. Remove containers to safe area and seal. Avoid runoff into storm sewers and ditches which lead to waterways.

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

Lead--Regulatory level: 5.0 mg/L

Materials which contain the above substance at or above the regulatory level must meet the EPA characteristics of toxicity, and must be disposed of in accordance with 40 CFR Part 262. EPA hazardous Waste Number 0008.

Chromium--Regulatory level: 5.0 mg/L

Materials which contain the above substance at or above the regulatory level meet the EPA characteristic of toxicity, and must be disposed of in accordance with 40 CFR Part 262. EPA hazardous Waste Number 0007.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

VENTILATION: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves, a chemical suit and rubber boots.

EYE PROTECTION: Do not wear contact lenses. Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Where splashing is possible, full chemically resistant protective clothing and boots are required.

HYGENIC PRACTICES: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor Liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Wash hands before eating or smoking. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from incompatible substances. Wash thoroughly after handling. Keep away from heat, sparks and flame. Keep container closed when not in use.

OTHER PRECAUTIONS: Do not inhale mist or vapor. Keep out of reach of children. Apply with back to wind during outdoor application.

SECTION X - HMIS RATINGS

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 1

SECTION XI - OTHER REGULATIONS

SARA SECTION 313: This product contains the following substances 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:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
Methyl Alcohol	67-56-1	5.0 %

PREVIOUS MSDS REVISION DATE: 11/02/99

LEGEND : N.A. - Not Applicable, N.E. - Not Established
N.D. - Not Determined

DISCLAIMER

The Nelson Paint Company, Inc. (TNPC) expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, TNPC makes no representations as to its accuracy or sufficiency. Conditions of use are beyond TNPC's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

(END OF MSDS)