



The Chemical Company

Material Safety Data Sheet

MSDS Code: 790-270

PRO-LINE PL-9 PERMANENT GREEN MEDIUM

Revision date: 10/24/06

Date Printed: 07/11/07

NFPA Classification:

Health: 1

Flammability: 0

Instability: 0

Special Hazards:

HMIS Classification:

Health: 2 *

Flammability: 0

Physical Hazard: 0

Personal Protection:

* Indicates possible chronic health effects.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name: Universal Pigment Dispersion
Chemical Name: Universal Dispersion Of Pigments
Formula: Chemical Mixture
Product Use: Industrial pigment.
Supplier: BASF Corporation
100 Campus Drive
Florham Park, NJ 07932

For Chemical Emergency Call:
BASF Hotline: 1-800-832-HELP
CHEMTREC (24 hours):
1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)
1-703-527-3887 (Outside Above Area)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient CAS Number	Weight in Percent (%)	Notes
Industrial Pigment	30-40	None.
Diethylene Glycol 111-46-6	20-30	None.
Water 7732-18-5	10-20	None.
Industrial Pigment	5-15	None.
Industrial Pigment(s) NJTSR E17226	1-10	None.
Surfactant(s)	1-10	None.
Ethylene Glycol	<1	None.
CI Pigment Brown 7	<1	None.
Industrial Pigment	< 1	None.
Manganese Dioxide	<1	None.

3. HAZARDS IDENTIFICATION

Emergency Overview:

Color: Green
Form: Liquid
Odor: Odorless
Flash Point, °C: Not Determined

Most Important Hazards: May irritate eyes. May cause eye burns. Prolonged or repeated exposure effects: May cause skin irritation. Chronic Overexposure Effects: Gastrointestinal system disorders. Central nervous system damage. May cause kidney damage. Causes respiratory tract irritation. May result in dizziness and drowsiness.

Potential Health Effects:

Inhalation: Exposure to vapors or mists, generated at higher temperatures, may cause drowsiness and headache.

Ingestion: May cause tissue damage. May cause central nervous system effects. May cause liver and kidney damage. May be fatal if swallowed.

Skin Contact: Prolonged or repeated contact may cause skin irritation. May cause severe irritation if skin is broken.

Eye Contact: Causes severe eye irritation. Causes redness and tearing. Causes blurred vision.

Other Effects: NOTE: Inhalation of vapor and/or mist may be significant if material is heated or agitated/sprayed. NOTE: Laboratory animal studies indicate that GLYCOL ETHERS may cause reproductive effects.

Carcinogenicity:

Ingredient CAS Number	Weight in Percent (%)	NTP (Y/N)	IARC (See Notes)	OSHA (Y/N)	ACGIH (See Notes)
Industrial Pigment	30-40	N	N	N	N
Diethylene Glycol 111-46-6	20-30	N	N	N	N
Water 7732-18-5	10-20	N	N	N	N
Industrial Pigment	5-15	N	N	N	N
Industrial Pigment(s) NJTSR E17226	1-10			N	N
Surfactant(s)	1-10	N	N	N	N
Ethylene Glycol	<1	N	N	N	A4
CI Pigment Brown 7	<1	N	N	N	N
Industrial Pigment	< 1	N	N	N	N
Manganese Dioxide	<1	N	N	N	N

Notes:

IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not studied or probably not carcinogenic.

ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not studied.

Chronic Health Hazards: May cause liver and kidney damage. May cause formation of bladder stones. May cause bladder cancer.

Aggravated Medical Conditions: Kidney disorders. Liver disorders. Neurological ailments.

4. FIRST AID MEASURES

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Ingestion: Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

Skin Contact: Flush skin with large amounts of water. If irritation persists, get medical attention.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point, °C: Not Determined
Autoignition Temperature, °C: Not Determined
Lower Explosive Limit, %: Not Determined
Upper Explosive Limit, %: Not Determined

Extinguishing Media: Water. Carbon dioxide. Foam.

Fire Fighting Procedures: Positive pressure, self-contained breathing apparatus. Wear full protective clothing.

Unusual Fire and Explosion Hazards: Not a fire or explosion hazard.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Contain spillage. Soak up spill using an absorbent. Scoop into a suitable container.

7. HANDLING AND STORAGE

- Keep away from food and feed products.
- Keep container closed.
- Keep from freezing.
- Wash thoroughly after handling.
- Avoid breathing mist.
- Avoid contact with eyes, skin and clothing.
- Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient CAS Number	Weight in Percent (%)	OSHA PEL	ACGIH TLV
Industrial Pigment	30-40	15 mg/m ³ (Total dust) 5 mg/m ³ (Respirable dust)	10 mg/m ³
Diethylene Glycol 111-46-6	20-30	None Established	None Established
Water 7732-18-5	10-20	None Established	None Established
Industrial Pigment	5-15	10 mg/m ³ (as Fe, total particulate)	None Established
Industrial Pigment(s) NJTSR E17226	1-10	1 mg/m ³ (as Cu)	1 mg/m ³ (as Cu)
Surfactant(s)	1-10	None Established	None Established
Ethylene Glycol	<1	50 ppm Ceiling	39.4 ppm Ceiling
CI Pigment Brown 7	<1	10 mg/m ³ (Total dust)	5 mg/m ³
Industrial Pigment	< 1	None Established	None Established
Manganese Dioxide	<1	5 mg/m ³ (as Mn) Ceiling	0.2 mg/m ³ (as Mn)

Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 2006 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, June 30, 1993.

Personal Protective Equipment: Chemical goggles; also wear a face shield if splashing hazard exists. Rubber or neoprene gloves.

Respiratory Protection: Use approved respiratory protection if exposure limits are exceeded, or overexposure is likely.

Ventilation: General ventilation. Local exhaust ventilation as necessary to control dust, mist, vapor or fumes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Color: Green
Odor: Odorless

Vapor Pressure: **Max:** 17.5mm Hg (20 °C)
Specific Gravity: **Min:** 1.5 **Max:** 2.5
Evaporation Rate: Much < 1
Solubility (in water): Dispersible
pH: **Min:** 7 **Max:** 9

10. STABILITY AND REACTIVITY

Stability Data: Stable

Conditions/Hazards to Avoid: None anticipated

Incompatibility (Materials to Avoid): None anticipated.

Hazardous Decomposition Products: None anticipated

Polymerization: None anticipated.

Polymerization - Avoid: None anticipated.

11. TOXICOLOGICAL INFORMATION

Information on Product:

Information on Components:

Ingredient CAS Number	Weight in Percent (%)	Acute Toxicity - Oral	Acute Toxicity - Inhalation	Acute Toxicity - Dermal	Acute Toxicity - Other
Industrial Pigment	30-40	6,450 mg/kg (rat)	Not Available	Not Available	Not Available
Diethylene Glycol 111-46-6	20-30	21,000 mg (rat)	Not Available	Not Available	Not Available
Water 7732-18-5	10-20	Not Available	Not Available	Not Available	Not Available
Industrial Pigment	5-15	> 10,000 mg/kg (rat)	Not Available	Not Available	Not Available
Industrial Pigment(s) NJTSR E17226	1-10	Not Available	Not Available	Not Available	Not Available
Surfactant(s)	1-10	1,310 mg/kg (rat)	Not Available	Not Available	Not Available
Ethylene Glycol	<1	5,500 mg/kg (child)	Not Available	Not Available	Not Available
CI Pigment Brown 7	<1	Not Available	Not Available	Not Available	Not Available
Industrial Pigment	< 1	> 5,000 mg/kg (rat)	Not Available	Not Available	Not Available
Manganese Dioxide	<1	Not Available	Not Available	Not Available	422 mg/kg subcutaneous (mouse)

12. ECOLOGICAL INFORMATION

Information on Product:

Environmental Fate: No data available.

Ecotoxicological Information: No data available.

13. DISPOSAL CONSIDERATIONS

US EPA Waste Number: Not Regulated

Disposal of Waste Method: This product, if disposed as received, is a non-hazardous waste. Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

14. TRANSPORT INFORMATION

International Transport Regulations:

ICAO Class: Not Regulated

IMO Class: Not Regulated

US Transportation Regulations:

DOT Classification: Not Regulated

Canadian Transportation of Dangerous Goods (TDG):

TDG Classification: Not Regulated

15. REGULATORY INFORMATION

International Inventories:

United States: This product or its ingredients are listed on or compliant with the TSCA Inventory.
Canada: Not Determined
Europe: This product or its ingredients are listed on or compliant with EINECS.
Japan: This product or its ingredients are listed on or compliant with MITI.
Australia: This product or its ingredients are listed on or compliant with AICS.
Korea: Not Determined
Philippines: Not Determined
China: Not Determined

US Federal Regulations:

Ingredient CAS Number	Weight in Percent (%)	Subject to SARA 313 Reporting
Industrial Pigment	30-40	No
Diethylene Glycol 111-46-6	20-30	No
Water 7732-18-5	10-20	No
Industrial Pigment	5-15	No
Industrial Pigment(s) NJTSR E17226	1-10	No
Surfactant(s)	1-10	No
Ethylene Glycol	<1	Yes
CI Pigment Brown 7	<1	No
Industrial Pigment	< 1	No
Manganese Dioxide	<1	Yes

SARA 311/ 312 Hazard Categories:

Acute Health Hazard Chronic Health Hazard

CAA 602 Ozone Depleting Substances (ODS):

This product neither contains nor is manufactured with an ozone depleting substance subject to the labeling requirements of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

VOC Content: 370g/L

US State Regulations:

California Proposition 65 - Carcinogen:

WARNING: This product contains chemicals known to the State of California to cause cancer.

VOC Content (CARB): 480 g/Lg/L

Canadian Regulations:

WHMIS Classification:

Not Determined

16. OTHER INFORMATION

Revision number: 10

Section(s) Revised in this Version: Section 1: Chemical Product and Company Identification
Section 16: Other Information

Prepared By: Corporate Environmental Health & Safety Group

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