



Safety Data Sheet

628 PM Colored Inks

SECTION 1 *Product Identification and General Information*

Manufacturer: Pannier Corporation
Manufacturer Address: 207 Sandusky Street, Pittsburgh, PA 15212-5823
Phone Number: 412-323-4900
Emergency Phone Number (24 Hour): Infotrac 1-800-535-5053
Product Numbers: 628 PM Colored Inks (Black, Blue, Green, Orange, Red, White, and Yellow)
Date SDS Prepared: 9/28/2017

This SDS has been prepared for the purposes of Hazard Communication, under 29 CFR 1910.1200.

SECTION 2 *Hazards Identification*

EMERGENCY OVERVIEW: Danger! Flammable liquid, Target Organ Effect, Irritant.

Target Organs: Central Nervous System

GHS Classification: Flammable liquids (Category 2); Eye irritation (Category 2A);
Specific target organ toxicity - single exposure (Category 3), Central nervous system

GHS Label Elements, including Precautionary Statements:



Pictograms:

Signal Word: Danger

Hazard Statements: Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash skin thoroughly after handling.
Wear protective gloves/ eye protection/ face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/ attention.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Store in a well-ventilated place. Keep cool.
Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3 *Composition/Information on Ingredients*

Contents	Synonyms	Percent by Weight	CAS No.	OSHA PEL	ACGIH TLV	LISTED CARCINOGEN (IARC/OSHA/NTP)
Ethanol	Ethyl Alcohol	20% - 45%	64-17-5	1000 ppm	1000 ppm	No
Diacetone Alcohol		10% - 15%	123-42-2	50 ppm	50 ppm	No
1-Methoxy-2-Propanol	PGME	5% - 15%	107-98-2		100 ppm	No
Propylene Glycol Monomethyl Ether Acetate		10% - 20%	108-65-6			No
Ethyl Acetate	PGMEA	5% - 10%	141-78-6	400 ppm	400 ppm	No
Modified Polymers/Binders		5% - 10%	Proprietary			No
Nitrocellulose	2-Propanol	2% - 6%	9004-70-0			No
Isopropanol		2% - 6%	67-63-0	400 ppm	200 ppm	IARC 3 (See Section 11)
2-Butoxyethyl Acetate (Blue Only)		0% - 2%	112-07-2		20 ppm	No
Isobutyl Acetate (Blue Only)		0% - 5%	110-19-0	150 ppm	150 ppm	No
Carbon Black (Black Only)		2% - 6%	1333-86-4	3.5 mg/m ³	3.5 mg/m ³	IARC 2B (See Section 11)
Colored Pigments		1% - 2%	Proprietary			No

SECTION 4 *First Aid Procedures*

Description of First Aid Measures:

Eye Contact: Flush with copious amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician immediately.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

Ingestion: Inducing vomiting should only be performed under the direct supervision of medical personnel. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labeling (see Section 2) and/or in Section 11.

Indication of any immediate medical attention and special treatment needed: No data available

SECTION 5 *Fire-Fighting Measures*

Flash Point: ~40°F

Fire and Explosion Hazards: Flammable Liquid. Dangerous fire hazard when exposed to heat or flame. Explosive peroxides may form on prolonged storage in contact with air and heat.

Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide. Alcohol resistant foams (ATC) are preferred, if available.

Special Hazards arising from the Substance or Mixture:

Fire Fighting Procedures: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire-exposed containers cool.

Unusual Fire and Explosion Hazards: This flammable liquid must be kept away from sparks, open flame, hot surfaces, and all sources of heat and ignition. Decomposition materials may emit acrid smoke and irritating fumes. Never use welding or cutting torch on or near drum (including empty) because product can ignite explosively.

SECTION 6 *Accidental Release Measures*

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (i.e., vermiculite, dry sand, and earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! If leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. (see section 13).

Reference to other sections: For disposal see Section 13.

SECTION 7 *Handling and Storage*

Precautions for Safe Handling: Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard. Separate from incompatibles. Storage and use areas should be NO SMOKING areas. Use non-sparking tools and equipment. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Conditions for Storage: Store in a cool, dry, well ventilated place, in securely closed original container. Flammable/combustible
- Keep away from oxidizing agents, heat and flames.

Specific End Uses: Apart from the uses mentioned in Section 1- Product Use, no other specific uses are stipulated

SECTION 8 *Exposure Controls/Personal Protection*

Ingredients	CAS No.	OSHA PEL	ACGIH TLV
Ethanol	64-17-5	1000 ppm	1000 ppm
Diacetone Alcohol	123-42-2	50 ppm	50 ppm
1-Methoxy-2-Propanol	107-98-2		100 ppm
Ethyl Acetate	141-78-6	400 ppm	400 ppm
Isopropanol	67-63-0	400 ppm	200 ppm
2-Butoxyethyl Acetate	112-07-2		20 ppm
Isobutyl Acetate	110-19-0	150 ppm,	150 ppm
Carbon Black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³

Eye Protection: Use chemical safety glasses or goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use explosion-proof equipment.

Respiratory Protection: Appropriate respiratory protection is required when exposure to airborne contaminant is likely to exceed acceptable limits. Respirators should be selected and used in accordance with OSHA Part 1910.134 and manufacturer's recommendations.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls, as appropriate, to prevent skin contact. Check with your safety supplier for the proper chemical-resistant gloves.

SECTION 9 *Physical and Chemical Properties*

Appearance: Liquid Color: Colored Odor/Taste: Alcohol-like Odor Threshold: Not Determined pH: Not Determined Solubility Description: Partially Soluble In Water. Boiling Point (°C@760 mmHg): 70° Melting Point (°F/°C): N/A Auto ignition Temperature: Not Determined Partition Coefficient (n-octanol/water): Not Determined Explosive Properties: Not Determined	Flashpoint: ~40°F Flammability (solid, gas): Not Determined Upper/Lower Flammability: Not Determined Freezing Point (°F/°C): -124° /-86° Specific Gravity (@68°F, Water=1): ~0.90 Vapor Density (Air=1): >2.5 Vapor Pressure (mmHg@68° F): <70 Viscosity: Not Determined Evaporation Rate (Butyl Acetate=1) : ~1 Decomposition Temperature: Not Determined Oxidizing Properties: Not Determined
--	--

SECTION 10 *Stability and Reactivity*

Reactivity: No data available.

Stability: Stable under normal storage conditions.

Possibility of Hazardous Reactions:

Conditions to Avoid: Heat, flames, sparks, ignition sources and incompatibles.

Incompatibility (materials to avoid): Oxidizing materials.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

SECTION 11 *Toxicological Information*

Potential Symptoms and Effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: May be harmful if swallowed.

Information on toxicological effects (Ethanol)

Acute toxicity: LD50 Oral - Rat - 10,470 mg/kg; LC50 Inhalation - Rat - 4 h - 30,000 mg/l; LD50 Dermal - Rabbit - 15,800 mg/kg

Skin corrosion/irritation: Skin – Rabbit-Result: No skin irritation - 24 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes – Rabbit-Result: Moderate eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitization: No data available

International Agency for Research on Cancer (“IARC”) Classification for Carbon Black:

Isopropanol is classified as IARC Group 2B or Possibly Carcinogenic to Humans.

International Agency for Research on Cancer (“IARC”) Classification for Isopropanol:

Isopropanol is classified as IARC Group 3 or Unclassifiable as Carcinogenic to Humans.

SECTION 12 *Ecological Information*

Environmental Toxicity: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. Do not discharge product into the environment.

SECTION 13 *Disposal Considerations*

Waste Disposal Method: Recovered non-usable material may be regulated as a hazardous waste due to its ignitability and/or its toxic characteristics. It is the responsibility of the user to determine if the material is a RCRA “hazardous waste” at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations. State and/or local regulations may be more restrictive.

SECTION 14 *Transport Information*

USDOT and IMDG Regulations

Proper Shipping Name – UN1210, Printing Ink, 3, PG II

Hazard Class – 3 (Flammable Liquid)

Identification Number – UN1210

Packing Group - II

IATA Regulations

Proper Shipping – UN1210, Printing Ink, 3, PG II

SECTION 15 *Regulatory Information*

Toxic Substances Chemical Inventory (TSCA): This product (and/or all of its components) is in compliance with USEPA TSCA.

SECTION 16 *Other Information*

HMIS Hazard Rating: Health – 2; Fire – 3; Reactivity – 0; PPE – Goggles & Shield; Apron; Vent Hood; Proper Gloves; Fire Extinguisher

SDS Preparation Date: 9/28/2017

DISCLAIMER:

The information accumulated herein is believed to be accurate and represents the best data currently available. It is the user’s responsibility to determine suitability of use. No warranty, expressed or implied, is made and Pannier assumes no legal responsibility or liability resulting from its use. Materials comprising <1% by weight, or <0.1% by weight if the chemical is a carcinogen, are not listed herein.
