

Safety Data Sheet

Issuing Date 2016/05/19
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Version 2

1. Identification

Product code G-PROTO-20160000650

Identification of the product Conventional SF PANTONE® Blends

Reference number OSHAENA0074390 - 2

Recommended uses and restrictions on use Ink

Supplier TOYO INK AMERICA, LLC
 1225 N. Michael Drive, Wood Dale, IL 60191 U.S.A
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Emergency Telephone Number 800-424-9300 (Chemtrec), Acct.CCN22523 (TOYO INK AMERICA, LLC)

2. Hazards identification

Classification

Health hazards
 Not classified

Physical and chemical hazards
 Not classified

GHS Label elements, including precautionary statements
 Not classified

Emergency Overview

Signal Word	None		
Hazard statements	No hazard statement		
Color	No information available	Physical State	Solid(paste)
		Odor	No information available

Precautionary Statements
Hazards not otherwise classified (HNOC)
Hazards not otherwise classified No information available (HNOC)

OTHER INFORMATION

Other hazards Harmful to aquatic life

Unknown Acute Toxicity 87.8582% of this mixture contains ingredient(s) of unknown toxicity

3. Composition/information on ingredients

Substance/mixture Mixture

Chemical Name	Weight (%)	CAS No.
Vegetable oil	15-25%	Trade Secret
Oleoresinous vehicle	10-20%	Trade Secret
Tackifier	3-5%	Trade Secret
Vegetable oil	5-10%	Trade Secret
Organic pigment	1-5%	Trade Secret

The exact percentage (concentration) and/or the specific chemical identity of composition has been withheld as a trade secret.

4. First aid measures

Description of necessary first-aid measures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Get medical attention immediately

Skin contact Remove as much as possible by wiping
Wash off immediately with soap and plenty of water
Get medical attention immediately if symptoms occur

Inhalation Move victim to fresh air
Get medical attention immediately if symptoms occur

Ingestion Get medical attention immediately

Most important symptoms/effects, acute and delayed

Anticipated acute and delayed effects No information available

Most Important Symptoms/Effects No information available

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically

5. Fire-Fighting Measures

Suitable/unsuitable extinguishing media

Extinguishing media Water spray, Carbon dioxide (CO₂), Foam, Dry powder, Dry sand

Extinguishing Media Which Must Not Be Used For Safety Reasons No information available

Specific hazards arising from the chemical See section 10 (Hazardous decomposition products)

Specific methods May ignite combustibles (wood paper, oil, clothing, etc.)
Cool drums with water spray

Special protective equipment for fire-fighters Wear personal protective equipment
Evacuate area and fight fire from a safe distance

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment, and emergency procedures Wear suitable protective clothing
 Evacuate personnel to safe areas

Secondary disaster prevention measures Remove all sources of ignition

Environmental precautions Dike to collect large liquid spills

Recovery and neutralization Take up with sand, earth or other non-combustible absorbent material
 A lot of leakage things have the flow first stopped by earth and sand etc., and need to be led to a safe place.
 Keep in suitable, closed containers for disposal

7. Handling and storage

Handling

Technical measures Ensure adequate ventilation

Advice on safe handling Wash hands before breaks and immediately after handling the product
 Smoking, eating and drinking should be prohibited in the application area

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Storage

Technical measures/Storage conditions Protect from direct sunlight
 Keep container tightly closed in a dry and well-ventilated place

8. Exposure controls/personal protection

Exposure Guidelines

Engineering measures Ensure adequate ventilation

Personal protective equipment

Eye protection Safety glasses with side-shields

Hand protection Protective gloves

Skin and body protection Long sleeved clothing Chemical resistant apron Antistatic boots

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State Solid(paste) **Color** No information available
Odor No information available **Odor Threshold** No information available

Property

pH VALUE No information available
Melting point/range No information available
Boiling Point/Range No information available
Flash point Not flammable
Evaporation rate No information available
Flammability (solid, gas) No information available

Flammability Limit in Air	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	approx. 0.85 - 1.05
Water solubility	Insoluble
Solubility in other solvents	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
VOC Content (%)	Estimated 5.32702568

10. Stability and reactivity

Stability / Hazardous Reactions

Stability	Stable under normal conditions Stable at normal handling
Possibility of hazardous reactions	No information available
Conditions to avoid	Heat, flames and sparks
Materials to avoid	No information available
Hazardous decomposition products	No information available

11. Toxicological information

<u>Information on likely routes of exposure</u>	See Section 4
Acute toxicity	No acute toxicity information is available for this product
Unknown Acute Toxicity	87.8582% of this mixture contains ingredient(s) of unknown toxicity
Carcinogenicity	No Information available as a product

12. Ecological information

Environmental hazards	There is no known ecological information for this product
Persistence and degradability	No information available
Bioaccumulative potential	No information available
Other information	No information available

13. Disposal considerations

Waste from residues/unused products	To discard the container after using up the contents Dispose of in accordance with federal, state and local regulations
Contaminated packaging	Empty containers should be recycling or disposal in accordance with the law

RCRA (Resource Conservation and Recovery Act)

Chemical Name	RCRA - 40 CFR 261 Appendix VIII	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes	RCRA - P Series Wastes
Formaldehyde	U122	Included in waste streams: K009, K010, K038, K040, K156, K157	-	U122	-
n-Butanol	-	Included in waste stream: F039	-	U031	-
Naphthalene	U165	Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145	-	U165	-

14. Transport information

ADR/RID ICAO/IATA IMDG/IMO

UN number -

Marine pollutant Not applicable

Special safety measures Ground and bond containers when transferring material

15. Regulatory information

International Inventories

U.S. TSCA: All ingredients in this product are listed on the Toxic Substances Control Act (TSCA) Inventory.

U.S. Federal Regulations

TSCA Section 5(a)(2) SNURs

Not applicable

SARA 313

Not applicable

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act

Chemical Name	CAA - HON Rule - Organic HAPs
Formaldehyde	X
Naphthalene	X

CERCLA

Chemical Name	CERCLA/SARA Hazardous Substances RQs
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Aluminum sulfate	5000 lb
Formaldehyde	100 lb
n-Butanol	5000 lb
Naphthalene	100 lb

U.S. State Regulations

California Proposition 65

WARNING: This product contains a chemical [or chemicals] known to the State of California to cause cancer, birth defects and/or other reproductive harm.

Chemical Name	U.S. - CA Prop 65 Carcinogens	U.S. - CA Prop 65 Developmental	U.S. - CA Prop 65 Reproductive Male	U.S. - CA Prop 65 Reproductive Female
Formaldehyde	X	-	-	-
Pigment Red 53:1	X	-	-	-
Naphthalene	X	-	-	-

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	New Jersey - Special Health Hazards Substances List	Pennsylvania	Massachusetts
Aluminum sulfate	-	-	Environmental hazard	-
Carbon black	-	>=0.1%	-	-
Talc	X	>=0.1%	Present	X
Soybean oil	-	-	Present	-
Vegetable oil	-	-	Present	-
C.I. Basic red 1	-	-	Environmental hazard	-

16. Other information

NFPA	NFPA Health Hazard	1	NFPA Flammability	1	NFPA Instability	1	NFPA Special Hazard	-
HMIS	HMIS Health Hazard	1	HMIS Flammability	1	HMIS Physical Hazard	1	HMIS Personal Protection	-

Legend

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA:	Time weighted average	STEL:	Short term exposure limit
Ceiling:	Maximum limit value	IDLH:	Immediately Dangerous to Life or Health
S*:	Skin absorption	S+:	Sensitizer

Manufacturer Same as Supplier

Literary reference ACGIH (American Conference of Governmental Industrial Hygienists)
IARC (International Agency for Research on Cancer)

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- When you export this product or the chemical substances including this product, please certainly obey the law of the export destination countries. If you have any questions, please contact our sales division.
- The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication.
- The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet