

MATERIAL SAFETY DATA SHEET

DTF PIGMENT INK

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name: DIRECT FILM PIGMENT INK WHITE

CAS No.: Variable

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

COLOR	INGREDIENT	CAS #	% BY WEIGHT
WHITE	TITANIUM DIOXIDE	13463-67-7	>2
	GLYCERIN	.<45-4.	-2
	DISPERSION	=.>=24554/	<
	H2O	//=14-54.	>>

SECTION 3 - HAZARDOUS INGREDIENTS

Effects of a single overexposure:

Swallowing:

No evidence of harmful effects from available information.

Skin absorption:

No evidence of harmful effects from available information.

Inhalation:

Trace component and residual monomer vapours may be irritating to the eyes, mucous membrane, respiratory tract, and may product symptoms of headache, nausea in poorly ventilated areas.

Skin contact:

Prolonged contact may cuase transient reddening og the skin.

Eye contact:

Direct contact may cause eye irritation.

Effects of repeated overexposure:

No evidence of harmful effects from available information.

Medical conditions aggravates by overexposure:

A knowledge of the available toxicology information and of the physical and chemical properties of the matter suggests that overexposure is unlikely to aggravate existing medical conditions

SECTION 4 – FIRST AID MEASURES

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No harmful effects expected.

Inhalation:

No emergency care anticipated.

Skin contact:

Wash skin with soap and water until water is no longer cloudy. If clothing is soaked, remove and wash before resue.

Eye contact:

Immediatelt flush eyes with plenty of water. Get medical attention if irritaion persists.

Notes to physician:

Toxicology studies have shown this or similar material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patients.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:

This product is a non-flammable aqueous emulsion. Use alcohol-type or all-purpose-type foams applied by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

Special Fire Fighting Procedures:

None.

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Special Protective Equipment for Firefighters:

Use self-contained breathing apparatus when fighting fires in enclosed areas

Unusual Fire and Explosion Hazards:

Product will not burn but may spatter if temperature exceeds boiling point of water. Dried solids can burn giving off oxides of carbon

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled. Restrict the area to only those personnel needed. Major spills should be collected for disposals. Minor spills may be flushed to sewer if permitted by national, stat and local regulations.

SECTION 7 – STORAGE AND HANDLING

Storage Temperature: ≤ 50C

Shelf Life: one year

Special Sensitivity:

No available information

Handling and Storage:

Use under ventilated conditions. For personal protection, wash thoroughly after handling product. Wash hands before eating, smoking or using toilet facilities.

Precautions:

Avoid eye and skin contact. Keep container closed when not being used.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:

None known.

Eye Protection:

Wear splash goggles where spill or splashing may occur.

Skin Protection:

Not required.

Respiratory and Ventilation:

Wear approved NIOSH respirator if exposure to mist or vapors exceeds applicable PEL/TLV limits.

Use in accordance with manufacturer's use limitations and OSHA regulations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	-22 °C	EVAPORATION RATE:	Slower than ether
SOLUBILITY IN WATER:	Miscible.	VAPOR DENSITY:	Unknown
APPEARANCE AND ODOR:	white color with a mild odor.	VAPOR PRESSURE:	3 mm Hg
LIQUID DENSITY:	1.2kg/L	VISCOSITY:	<10 cPs
FILTRATION:	≤ 1000 nm	SURFACE TENSION:	~ 45 dyn/cm

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:

Stable at ambient temperature and under normal conditions of use

MATERIALS TO AVOID:

None

CONDITIONS TO AVOID:

None.

INCOMPATIBILITY:

No available information

HAZARDOUS DECOMPOSITION PRODUCTS:

None

SECTION 11 –TOXICOLOGICAL INFORMATION

Health Effects:

No available information

Inhalation:

No available information

Skin Contact:

No available information

Eye Contact:

No available information

Ingestion:

No available information

Further information:

No available information

SECTION 12 – ECOLOGICAL INFORMATION

NO ECOLOGICAL ISSUES LIKELY

SECTION 13 – DISPOSAL CONSIDERATION

Waste Disposal Method:

Dispose of all waste materials in accordance with all applicable federal, state and local regulations for the disposal of aqueous wastes. Do not flush liquid into public sewer or water systems.

NOTE:

The user's attention is drawn to the possible existence of national or local regulations regarding disposal

SECTION 14 –TRANSPORT INFORMATION

DOT Proper shipping name:

DOT Technical name:

Not regulated.

OCEAN (IMDG):

Not regulated.

AIR (IATA):

Not regulated.

WHMIS (CANADA):

Not regulated.

NOTE:

The above regulatory prescriptions are those valid on the date of publication of this sheet. it would be advisable to check their validity with your commercial agency

SECTION 15 –REGULATORY INFORMATION

OSHAStatus:

Not applicable

TSCAStatus:

Not applicable

CERCLA Reportable Quantity:

Not applicable

SARA Title III:

Not applicable

Section 302 Extremely Hazardous Substances:

Not applicable

Section 311/312 Hazard Categories:

Not applicable

Section 313 Toxic Chemicals:

Not applicable

RCRAStatus:

Not applicable

State Regulatory Information:

Not applicable

SECTION 15 –OTHER INFORMATION

Please consult the relevant product and/or application information for this product.

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