



# MATERIAL SAFETY DATA SHEET

## FOR PRINTING INK AND RELATED MATERIALS

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**HMIS® RATING**  
 MINIMAL.....0  
 SLIGHT.....1  
 MODERATE.....2  
 SERIOUS.....3  
 SEVERE.....4  
 CHRONIC.....\*

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

INFORMATION ON THIS FORM IS PROPRIETARY INFORMATION AND FURNISHED SOLELY FOR THE USE OF OUR CUSTOMERS.

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### SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME  
SF FREE FLOW

PRODUCT CODE  
SV 1141

### SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CHEMICAL NAME	CAS NUMBER	% WEIGHT	OSHA PEL / ACGIH TLV - TWA (mg/m3)
(THIS PRODUCT IS NOT HAZARDOUS AS DEFINED IN 29 CFR 1910.1200)			

### SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE	ODOR	EVAPORATION RATE (VS. BUTYL ACETATE)	LIQUID DENSITY (VS. WATER)	VAPOR DENSITY (VS. AIR)
LIQUID		EQUAL OR FASTER	X EQUAL OR HEAVIER	X EQUAL OR HEAVIER
X PASTE	SLIGHT	X SLOWER	LIGHTER	LIGHTER
BOILING RANGE (°F)	VOC % WEIGHT (LESS W&EC)	VOLATILE ORGANIC COMPOUND PER GALLON (LB.)	POUNDS PER GALLON CONVERSION	SPECIFIC GRAVITY
500-600	0.22	0.02	8.59	1.03

### SECTION 4 - FIRE AND EXPLOSION DATA

COMMODITY CLASSIFICATION	FLASH POINT (°F)	LEL - UEL (% BY VOLUME IN AIR)
III-B	> 389	(N/E)

EXTINGUISHING MEDIA: WATER SPRAY OR FOG, FOAM, CARBON DIOXIDE (CO<sub>2</sub>), OR DRY CHEMICAL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: (N/I)

SPECIAL FIREFIGHTING PROCEDURES: (N/I)

**SECTION 5 - REACTIVITY DATA**

PRODUCT STABILITY:     X     STABLE                      UNSTABLE

INCOMPATIBILITY (MATERIALS TO AVOID):     (N/I)    

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:     (N/I)    

HAZARDOUS POLYMERIZATION:                      MAY OCCUR     X     NOT EXPECTED TO OCCUR

CONDITIONS TO AVOID: EXCESSIVE HEAT, SOURCES OF IGNITION AND STRONG OXIDIZING AGENTS.

**SECTION 6 - HEALTH HAZARD DATA**

PRIMARY ROUTE(S) OF ENTRY     X     DERMAL     X     INHALATION                      INGESTION

HEALTH HAZARDS:     (N/I)    

**EMERGENCY AND FIRST AID PROCEDURES:**

**DERMAL:** WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.

**INHALATION:** IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

**INGESTION:** ONLY INDUCE VOMITING AT THE INSTRUCTION OF MEDICAL PERSONNEL. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

**EYE:** ANY MATERIAL THAT COMES IN CONTACT WITH EYES SHOULD BE WASHED OUT IMMEDIATELY WITH PLENTY OF WATER.  
GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.

**SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE.  
CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

**WASTE DISPOSAL METHOD:**

DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS.  
CONSULT FEDERAL, STATE, AND CITY REGULATORY AUTHORITIES BEFORE DISPOSAL. INCINERATION RECOMMENDED.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** STORE IN CLOSED CONTAINERS IN A COOL, WELL VENTILATED AREA.

OTHER PRECAUTIONS:     (N/I)    

**SECTION 8 - CONTROL MEASURES**

**VENTILATION:** GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

**RESPIRATORY PROTECTION:** NONE SHOULD BE NEEDED UNDER NORMAL CONDITIONS OF USE. HOWEVER, UNDER EXCEPTIONAL CIRCUMSTANCES WHEN EXCESSIVE AIR CONTAMINATION EXISTS, AN ATMOSPHERE-PURIFYING OR FILTERING RESPIRATOR MAY BE REQUIRED.

**PROTECTIVE GLOVES:** FOR OPERATIONS WHERE PROLONGED OR REPEATED SKIN CONTACT MAY OCCUR, IMPERVIOUS GLOVES SHOULD BE WORN.

**EYE PROTECTION:** IF RISK OF SPLASHING, WEAR SAFETY GOGGLES OR FACE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:     (N/I)    

**WORK/HYGIENIC PRACTICE:** IT IS GOOD INDUSTRIAL HYGIENE PRACTICE TO AVOID PROLONGED OR REPEATED BREATHING OF MIST OR VAPOR, OR CONTACT WITH SKIN. AVOID CONTACT WITH EYES.