

# MATERIAL SAFETY DATA SHEET

For Chemicals, Coatings and Related Materials  
"Essentially similar" to form OSHA-20

REVISED 03/08/12

## MANUFACTURER

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EMERGENCY TELEPHONE NUMBERS:  
MEDICAL OR TRANSPORTATION  
INFOTRAC (24 hrs): 800-535-5053  
International: 1-352-323-3500

## SECTION I - PRODUCT INFORMATION

PRODUCT NAME: UNIGLOW® F6HF  
Yellow F6HF  
DESCRIPTION: Yellow dye concentrate  
CLASS: Liquid

H M I S HAZARD CODES  
Health: 2 (Moderate)  
Flammability: 1 (Slight)  
Reactivity: 0 (Minimal)  
Personal Protective Equipment: B

## SECTION II - INGREDIENTS

INGREDIENT MATERIAL DESCRIPTION	PERCENT BY WEIGHT	C.A.S. REGISTRY NO.	VAPOR PRESSURE	
			LEL	mmHg @ 100øF
Colorant	28.0	Proprietary	N/A	N/A
Petroleum Hydrocarbon	72.0	64742-94-5	N/A	N/A
Naphthalene	<.5%	91-20-3	N/A	N/A

This product is hazardous as defined in 29 CFR1910.1200 based on the following composition information:

<u>OSHA Hazard</u>	<u>Component</u>
Possible carcinogen	Naphthalene
ACGIH TLV; OSHA PEL	Naphthalene

## SECTION III - PHYSICAL DATA

BOILING RANGE: N/A  
VAPOR PRESSURE: < 0.1 mm @ 68øF  
SPECIFIC GRAVITY: 0.95 - 1.05  
EVAPORATION RATE: < 0.1 (relative to n-butyl acetate)  
APPEARANCE AND ODOR: Dark brown, almost odorless liquid  
N-OCTANOL/WATER PARTITION COEFFICIENT: Log Pow expected to be greater than 4

FREEZING POINT: < 10øF  
VAPOR DENSITY: 4.7  
H2O SOLUBILITY: Insoluble  
% VOLATILE BY VOLUME: Zero  
POUR POINT ASTM D97: <0øF

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: >200øF EXPLOSIVE LIMITS: LEL UEL(% V IN AIR)  
 METHOD USED: Pensky-Martens ASTM D 93  
 FLAMMABILITY CLASSIFICATION: 1.8 11.8

OSHA: Non-Combustible Liquid  
 DOT: Non hazardous

EXTINGUISHING MEDIA:

Use water spray to cool fire exposed surfaces and to protect personnel. Isolate ?fuel? supply from fire. Use foam, dry chemical or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boiling over.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear NIOSH-MSHA approved self-contained breathing apparatus. Wear impervious clothing. Use water spray to cool and protect exposed material or overheated containers. Take care not to spread fire with water.

SECTION V - TOXICOLOGICAL INFORMATIONDEFINITIONS:

N/A - Not Available and/or Not Applicable  
 Tag - Tag Closed Cup (TCC)  
 PEL - Units of mg/cubic meter  
 (\*) - SARA Section 313 listed. IF CHEMICAL SYMBOL \* IN ( ) MATERIAL IS A COMPOUND. Example: (\*Cu) - report as copper compound.

NOTE:

Please refer to the end of Section IX for Regulatory Information pertaining to the determination for the listing of ingredients, CAS numbers, percentages and other information.

<u>INGREDIENT MATERIAL DESCRIPTION</u>	<u>PEL</u>	<u>TLV(twa) mg/m3</u>	<u>LD50 (g/kg)</u>		<u>LC50 (ppm)</u>
			<u>(rat) ORAL</u>	<u>(rabbit) DERMAL</u>	<u>(rat) INHAL.</u>
Colorant	N/A	N/A	N/A	N/A	N/A
Petroleum Hydrocarbon (mist)	15ppm	50	N/A	N/A	N/A

SECTION VI - HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE:**

PRIMARY ROUTE(S) OF EXPOSURE/ENTRY: Eye contact, skin contact, inhalation, ingestion.

EYES	Vapors may irritate the eyes. Liquid is irritating and potentially damaging to the eyes.
SKIN	Liquid may irritate and dry the skin. Prolonged contact may lead to burns and blisters and may aggravate dermatitis.
INHALATION	Vapors may irritate the respiratory tract. May lead to headache, dizziness, nausea, vomiting and unconsciousness. High vapor concentrations are anesthetic and may have other central nervous system effects including death.
INGESTION	May lead to headache, dizziness, nausea and abdominal pain.
CARCINOGENICITY	Components are not known to be associated with carcinogenic effects.
MUTAGENICITY	Not considered to be a mutagenic hazard.
CHRONIC EFFECTS	This product contains naphthalene. The International Agency for Research on Cancer evaluated naphthalene and concluded that there was sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Accordingly, IARC classified naphthalene as a possible human Carcinogen (Group 2B). The US National Toxicology Program (NTP) has evaluated naphthalene and found that it may be reasonably anticipated to be a human carcinogen.
ECOLOGICAL INFORMATION	Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products.
MOBILITY	Liquid under most environmental conditions. Floats on water. If it enters soil, it will absorb to soil particles and will not be mobile.
DEGRADABILITY	Not established

BIOACCUMULATION Has the potential to bioaccumulate  
ECOTOXICITY Not established. Insoluble in water.

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SECTION VII- EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with large amounts of water for 10-15 minutes. SEEK PROMPT MEDICAL ATTENTION !!!

SKIN CONTACT: Promptly remove all contaminated clothing, shower if necessary. Remove from skin with proprietary water less hand cleaner or cold cream. Discard contaminated clothing and shoes.

INHALATION: If dizzy, drowsy or overcome, remove to fresh air. If breathing has stopped, apply artificial respiration. GET MEDICAL ATTENTION AS SOON AS POSSIBLE !!!

INGESTION: DO NOT INDUCE VOMITING!! GET MEDICAL ATTENTION IMMEDIATELY!

SECTION VIII - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Extreme heat. Open flames or sparks

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents. Strong reducing agents. Acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon. Oxides of Nitrogen

HAZARDOUS POLYMERIZATION: Will not occur

POLYMERIZATION CONDITIONS TO AVOID: Material not known to polymerize

SECTION IX - REGULATORY INFORMATION

This MSDS is in compliance with the OSHA Hazard Communication Standard 29CFR1910.1200.

This MSDS has also been prepared to be in compliance with the Commonwealth of Pennsylvania's Right-to-Know regulations for chemical manufacturers and should satisfy many other state Right-to-Know laws.

The chemical ingredient reporting rules for Pennsylvania are more detailed than OSHA regulations and this MSDS lists the common chemical name and CAS number in Section II for:

Specifically hazardous ingredient	>0.01%	(OSHA is >0.1%)
Hazardous ingredient	>1.0%	(OSHA is the same)
Nonhazardous ingredient	>3.0%	(OSHA does not regulate)

PROPRIETARY entered in the CAS number column declares that the exact identity of the ingredient(s) listed is proprietary information to United Color Manufacturing, Inc. and/or to our suppliers. Percentages of ingredients are approximate values for the purpose of hazard and SARA determination by the product's uses and are not necessarily exact specifications.

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#### SECTION IX - REGULATORY INFORMATION Cont...

DEPARTMENT OF TRANSPORTATION (DOT):

DOT Shipping Description: Not regulated

TSCA: All components listed

CERCLA: If the reportable quantity of this product is accidentally spilled, the incident is not subject

to the provisions of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

Canada: Listed as D2B under WHMIS. Listed on NDSL

SARA TITLE III: Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the Following hazard category: Delayed Health

#### SECTION X - SPILL OR LEAK PROCEDURES

##### STEPS FOR MATERIAL SPILLAGE:

Remove all sources of ignition (flame, hot surfaces and any producers of electrical, static or frictional sparks). Wear appropriate protective clothing (See Section XI). Ventilate area and try to contain spill by diking with sand or other absorbent material. Collect spill for disposal by scooping up liquids (if a large spill) and absorbing with sand or other approved absorbent materials and dispose of in accordance with local, state and federal regulations.

##### WASTE DISPOSAL METHODS:

Dispose of in accordance with local, state and federal regulations.

#### SECTION XI - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	No special equipment required
VENTILATION:	None specially required
PROTECTIVE GLOVES:	Impervious gloves (rubber or neoprene) to avoid direct skin contact.
EYE PROTECTION:	Splash proof safety goggles
OTHER PROTECTIVE EQUIPMENT:	Eyewash station, emergency shower.

#### SECTION XII - SPECIAL PRECAUTIONS

##### HANDLING AND SPECIAL PRECAUTIONS:

Overheating may cause container to rupture. Explosion-proof electrical equipment advised. Container must be kept closed and ventilation provided to prevent vapor concentration buildup. Store in a cool, dry place. Do not breathe vapor or get liquid in eyes or on skin or

clothing. Keep away from heat or sources of ignition.

**OTHER PRECAUTIONS:**

Check all containers for leaks. Wear protective clothing as in Section XI Avoid prolonged breathing of vapors of contact with skin. Ensure that all equipment is grounded to prevent static discharge. Containers of this material may be hazardous when emptied due to solid or vapor residue. All hazard precautions given in this data sheet must be observed for empty containers.

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SECTION XIII - CONTACT INFORMATION

TECHNICAL CONTACT PERSON:  
TECHNICAL CONTACT NUMBER:

Robert Spring  
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Fax 302-456-0441

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