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 SECTION I - PRODUCT IDENTIFICATION  
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Manufacturer: DAY-GLO COLOR CORP  
 ENVIRONMENTAL HEALTH & SAFETY  
 4515 ST CLAIR AVENUE  
 CLEVELAND OH 44103

Information Phone: 216-391-7070  
 Emergency Phone: 800-424-9300

Product Class: SCREEN PRINTING INK  
 Trade Name : SIGNAL GREEN SCREEN INK  
 Product Code : S66-18  
 C.A.S. Number: MIXTURE  
 Prepared By : SCOTT A. FLEMING  
 Title : REGULATORY CHEMIST

! Hazard Ratings: Health - 1  
 ! none -> extreme Fire - 2  
 ! 0 ---> 4 Reactivity - 0  
 !  
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 SECTION II - HAZARDOUS INGREDIENTS  
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Ingredients	CAS #	Weight %	--- Exposure Limits ---	VP
			ACGIH/TLV OSHA/PEL	mm HG
MINERAL SPIRITS	64742-47-8	35.	100 ppm 500 ppm	2.6
			STEL = 200 ppm	
MINERAL SPIRITS	64741-65-7	< 5.	300 ppm 400 ppm	2
				@ 68F

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 SECTION III - PHYSICAL DATA  
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Boiling Range: 305-471 F  
 Evap. Rate: Slower than n-Butyl Acetate  
 Volatiles vol % 53.20 Wgt% 46.60  
 Appearance: Green paste w/hydrocarbon odor  
 V.O.C.: See Section IX

Vapor Density: Heavier than Air.  
 Liquid Density: Heavier than Water.  
 Wgt per gallon: 8.40 Pounds.

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 SECTION IV - FIRE AND EXPLOSION HAZARD DATA  
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Flammability Class: II Flash Point: 105 F PMCC LEL: 0.60% UEL: 6.00%

## -EXTINGUISHING MEDIA:

Based on the NFPA guide, use dry chemical, alcohol foam, carbon dioxide, or other extinguishing agent suitable for Class B fires. Use water to cool containers exposed to fire.

## -SPECIAL FIREFIGHTING PROCEDURES:

Keep unnecessary people away, isolate area, stay upwind, wear self-contained breathing apparatus. Use emergency response guidelines (DOT P5800.4 GUIDE 26).

## -UNUSUAL FIRE &amp; EXPLOSION HAZARDS:

Exposure to heat will produce irritating vapors. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when subject to high heat. Dense smoke and toxic fumes will result during combustion creating a health hazard.

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SECTION V - HEALTH HAZARD AND PERSONAL PROTECTION INFORMATION  
-----**-FIRST AID:**

**EYES:** Immediately flush for at least 15 minutes while holding eyelids open. Call a physician at once.

**SKIN:** Immediately flush with water for at least 15 minutes. For a large splash flood body under a shower. Call a physician.

**INGESTION:** Do not induce vomiting. Give water. Call a physician.

**INHALATION:** Remove to fresh air. Treat symptoms. Call a physician at once.

**-TOXICOLOGY INFORMATION:**

**ACUTE TOXICITY STUDIES:** No toxicity studies have been conducted on this product.

**-PRIMARY ROUTE(S) OF EXPOSURE:**

**EYE CONTACT:** Will cause irritation.

**SKIN CONTACT:** Will cause irritation.

**INHALATION:** Outgassing of formaldehyde vapors could cause irritation.

**-SYMPTOMS OF EXPOSURE:**

**ACUTE:** Unusual use practices and/or poor ventilation can cause irritation of eyes and respiratory tract.

**-CHRONIC:**

**CARCINOGENICITY:** NTP? (N) IARC MONOGRAPHS? (N) OSHA REGULATED? (N)

This product contains less than 0.1% free formaldehyde & may be capable of outgassing formaldehyde at levels in excess of OSHA's action level under some conditions of use. Formaldehyde is a potential cancer hazard. Long term exposure may result in dermatitis or respiratory sensitization for sensitive individuals.

**-AGGRAVATION OF EXISTING CONDITIONS:**

A review of available data does not identify any worsening of existing conditions not elsewhere mentioned in this MSDS.

**-RESPIRATORY PROTECTION:**

If it is possible to generate significant levels of vapors or mists, a NIOSH approved or equivalent respirator is recommended.

**-VENTILATION:**

General ventilation is recommended. Additional local exhaust ventilation is recommended where vapors, mists or aerosols may be released.

**-PROTECTIVE EQUIPMENT:**

Wear impervious gloves, apron & splash goggles where exposure is possible. Launder contaminated clothing before reuse.

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SECTION VI - REACTIVITY DATA  
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**STABILITY:** [ ] Unstable [x] Stable  
**HAZARDOUS POLYMERIZATION:** [ ] May occur [x] Will not occur

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SECTION VI - REACTIVITY DATA (cont.)  
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## -INCOMPATIBILITY:

Avoid contact with strong oxidizers (eg. chlorine, peroxides, chromates, nitric acid, perchlorates, concentrated oxygen, permanganates) which can generate heat, fires, explosions & the release of toxic fumes.

## -CONDITIONS TO AVOID:

High temperatures, sources of ignition.

## -HAZARDOUS DECOMPOSITION PRODUCTS:

In the event of combustion carbon dioxide, carbon monoxide and oxides of sulfur and nitrogen will be formed. Do not breath smoke or fumes. Wear suitable protective equipment.

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SECTION VII - SPILL OR LEAK PROCEDURES  
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## -SPILL CONTAINMENT AND RECOVERY:

Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed product and absorbent into recovery or salvage drums for disposal.

This is a RCRA hazardous waste per TITLE 40 CFR 261 with the Hazardous Waste No. D001.

## -DISPOSAL:

Incinerate in accordance with local, state & federal regulations.

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SECTION VIII - REGULATORY INFORMATION  
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## -FEDERAL REGULATIONS:

OSHA Hazard Communications Rule, 29 CFR 1910.1200: This product is a hazardous material as defined.

## -CERCLA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (TITLE III)

Notification of spills of this product is not required under 40 CFR 11, 302.

## -SECTIONS 311 AND 312 - MATERIAL SAFETY DATA SHEET REQUIREMENTS:

This product ( ) should not (XXX) should be reported under the following EPA hazard categories:

- ( ) Immediate (acute) health hazard
- ( ) Delayed (chronic) health hazard
- (XX) Fire hazard
- ( ) Sudden release of pressure hazard
- ( ) Reactive hazard

## -SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFR 372):

See Section X.

## -TOXIC SUBSTANCES CONTROL ACT (TSCA):

All components of this product are listed, or are excluded from listing, on the U.S. Toxic Substances Control Act TSCA 8(b) inventory.

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 SECTION VIII - REGULATORY INFORMATION (cont.)
 

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- FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40CFR401.15:  
None of the components in this product are specifically listed.
- CLEAN AIR ACT, 40 CFR 60, SECTION 111, 40 CFR 61, SECTION 112:  
None of the components in this product are specifically listed.
- STATE REGULATIONS:  
MICHIGAN CRITICAL MATERIALS: This product does not contain components listed on the Michigan Critical Register.
- CONEG-COALITION OF NORTHEAST GOVERNORS:  
This product contains none of the constituent heavy metals regulated by CONEG (ie. total cadmium, chromium, lead & mercury).
- TRANSPORTATION-49 CFR 172-101:  
This product is not regulated by DOT.
- FDA-21 CFR:  
DAY-GLO Color Corp.'s products are not listed by the FDA for use under 21 CFR, since potential applications are so numerous that specific applications must be submitted to the FDA for inclusion in the 21 CFR FDA listing.
- CLEAN AIR ACT AMMENDMENTS OF 1990  
No DAY-GLO product contains an ozone depleting substance (ODS) nor are any of our products manufactured with them.

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 SECTION IX - PRECAUTIONARY & LABEL INFORMATION
 

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## -HMIS LABEL STATEMENT:

S66 - SCREEN INK

HEALTH - 1      FLAMMABILITY - 2      REACTIVITY - 0

PRECAUTIONS: Combustible. Avoid heat, flame or sparks even on empty container. Avoid skin & eye contact. Contains formaldehyde a potential cancer hazard in excess of OSHA's action level with possible respiratory sensitization. Store in accordance with OSHA 1910.106.

FIRST AID: EYES: Flush for 15 minutes. SKIN: Wash with soap & water. INGESTION: Give water, do not induce vomiting. Call a physician.

FIRE FIGHTING USE: Foam, CO2, or Dry Chemical. Use emergency response guidebook (DOT P5800.4, GUIDE 26).

SPILL CONTROL: Dike to prevent spread or entry to sewer. Remove ignition sources. Absorb on inert material & incinerate.

CONTAINS:	CAS NO. OR NJ TSRN:
RESIN	39277-28-6
MINERAL SPIRITS	64742-47-8
MODIFIED ROSIN ESTER	PROPRIETARY
2,2,4-TRIMETHYL-1,3-PENTANE-DIOL MONOISOBUTYRATE	25265-77-4
MODIFIED POLYSACCHARIDE	PROPRIETARY

TARGET ORGANS: NO ORGANS AFFECTED.

COATING V.O.C. : 4.98 LB/GL (597 GR/LT)

MATERIAL V.O.C.: 4.98 LB/GL (597 GR/LT)

CALIFORNIA PROP 65: This product contains a component known to  
(cont.)

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 SECTION IX - PRECAUTIONARY & LABEL INFORMATION (cont.)
 

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## -HMIS LABEL STATEMENT: (cont.)

the state of California to cause cancer: Formaldehyde (50-00-0).

NOTE - Additional information is available from your Employer  
& the Material Safety Data Sheet.

- See MSDS for transportation classification.

## -OTHER PRECAUTIONS:

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 SECTION X - ADDITIONAL REGULATORY INFORMATION
 

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## -SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
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	None	

## -PROP 65 (CARCINOGEN):

WARNING: This product contains a chemical known to the state of California to cause cancer.

CAS#	Chemical Name
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00050-00-0	FORMALDEHYDE

## -PROP 65 (TERATOGENIC):

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

CAS#	Chemical Name
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	None

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SECTION X - ADDITIONAL REGULATORY INFORMATION (cont.)  
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-PROP 65 (BOTH CARCINOGEN AND TERATOGENIC):

WARNING: This product may contain a chemical known to the state of California to cause cancer or birth defects or other reproductive harm

CAS#	Chemical Name
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	None

-DISCLAIMER:

The information contained herein is believed to be accurate, but is not warranted. Nothing contained herein constitutes a specification nor is it intended to warrant suitability for the intended use.