

Material Safety Data Sheet

Section 1. Identification of the Product / Preparation and the Company

Product Name: 18106 Marking Ink (Grass Green)

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Section 2. Composition / Information on Ingredients

According to 1907/2006/EG (REACH)

Components	CAS Number	EINECS Number	Weight %	EU Classification
Ethyl Acetate	141-78-6	205-500-4	5-10	F: R11, Xi, R36, 66, 67
Isopropanol	67-63-0	200-661-7	20-30	F: R11, Xi, R36, 67
1-Methoxy-2-Propanol	107-98-2	203-539-1	25-35	F: R10
Isopropyl Acetate	108-21-4	203-561-1	0-6*	F: R11 Xi, R36, 66, 67
N-Butyl Acetate	123-86-4	204-658-1	0-6*	F: R10 Xi, R66, 67
Benzyl Butyl Phthlate	85-68-7	201-662-7	1-2**	N: R50, 61, 62

* Some colors contain 0%
** REACH Reportable SVHC

Please refer to Section 15 for the full text of the EU classification and R phrases.

Section 3. Hazards Identification

Highly flammable. Irritating to eyes. Vapors may cause drowsiness and dizziness.

HMIS: Health H:2 Moderate Flammability F:3 Serious Reactivity R:1 Slight



WHMIS: B2 Flammable Liquid



D2B Eye or Skin Irritant

Section 4. First Aid Measures

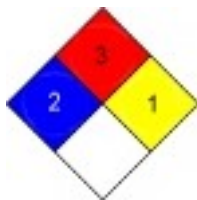
INHALATION: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION: **DO NOT INDUCE VOMITING!**
Rinse mouth thoroughly. Get medical attention.

SKIN: Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Section 5. Fire Fighting Measures



NFPA: HEALTH: 2 Flammability: 3 Reactivity: 1

EXTINGUISHING MEDIA: Use foam; extinguishing powder; dry chemicals; carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapors.

Section 6. Accidental Release Measures

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. Absorb in vermiculite, dry sand, or earth and place into containers.

Section 7. Handling and Storage

USAGE PRECAUTIONS: Keep away from heat, sparks, and open flame. Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS: Keep containers tightly closed in a cool, well ventilated place. Do not store with oxidizing agents or acids. Keep in the original container. Avoid direct sunlight.

Section 8. Exposure Controls / Personal Protection

EXPOSURE LIMIT VALUES

Ingredient Name	CAS No.	EINCS No.	List	Type	Value
Isopropanol	67-63-0	200-661-7	OSHA Table ACGIH ACGIH OES/EH40	PEL TWA STEL TWA	980 mg/m ³ 400ppm 200 ppm 400 ppm 999 mg/m ³ 400 ml/m ³
1-Methoxy-2-Propanol	107-98-2	203-539-1	ACGIH ACGIH	TWA STEL	100 ppm 150 ppm
Isopropyl Acetate	108-21-4	203-561-1	OSHA Table ACGIH ACGIH OES/EH40	PEL TWA STEL TWA	950 mg/m ³ 250 ppm 200 ppm 400 ppm 200 ppm 849 ml/m ³
Ethyl Acetate	141-78-6	205-500-4	OSHA Table ACGIH	PEL TWA	1,400 mg/m ³ 400 ppm 400 ppm
N-Butyl Acetate	123-86-4	204-658-1	OSHA Table ACGIH ACGIH	PEL TWA STEL	710 mg/m ³ 150 ppm 150 ppm 200 ppm
Benzyl Butyl Phthlate	85-68-7	201-662-7	ACGIH	TWA	5mg/m ³

Personal Protective Equipment



Ventilation: All handling to take place in well ventilated area.

Respirators: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

Protective Gloves: Use protective gloves.

Eye Protection: Wear approved safety goggles.

Other Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Hygienic Work Practices: Do not smoke, eat, or drink in work area. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

Section 9. Physical and Chemical Properties

Form: colored liquid
Odor: sweet, alcohol like

Boiling Point	82° C	160° F
Density/Specific Gravity	0.810 g/ml	Temperature (°C) 20
Flash Point	10°-15° C	50°-60° F Method(Setaflash)
Vapor Pressure	4.16 kPa	Temperature(°C) 20
Percent Volatile (%)	65 - 75%	
Vapor Density (air=1)	>2	
Flammable Units (% in air)	LEL 3.0 UEL 19.0	
Solubility in water	65 - 75%	
Evaporation Rate (BU.AC=1)	1.0	
Volatile Organic Compound (VOC)	65-75 wt-%	Approximately 5.9 Lbs/gal

Section 10. Stability and Reactivity

Stability: Normally stable
Conditions to avoid: Avoid heat, flames and other sources of ignition.
Incompatibility: Strong oxidizers
Hazardous decomposition: None
Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

Skin: This material has a low potential to cause allergic skin reactions. May cause removal of natural fat from the skin.

Eyes: Irritating to the eyes.

Ingestion: May cause stomach pain or vomiting.

Acute toxicity: Oral LD-50 :(rat) 5,800 mg/kg
Oral LD-50 :(rabbit) 7,900 mg/kg
Oral LD-50 :(dog) 6,200 mg/kg
Inhalation LC-50 :(rat) 8h: 12,000 ppm

Inhalation: Inhalation of vapors may lead to nausea, headache, drowsiness and dizziness.

Section 12. Ecological Information

General information: Not regarded as dangerous for the environment. Do not discharge into the drains or waters.

Acute Aquatic Effects: LC-50, 96 hrs, (fish) 9,600 mg/l
IC-50, 72 hrs, (algae) 1,800 mg/l

Data for component (Benzyl Butyl Phthlate): Material is highly toxic to organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested)

Section 13. Disposal Considerations

Disposal methods: Dispose of in accordance with Local Authority requirements.
Absorb in vermiculite or dry sand.

Section 14. Transport Information

Label for conveyance:



Ground Transport: Proper Shipping Name: Printing Ink
Hazard Class: 3 ID Number: UN1210 Packing Group: II

IMDG: Proper Shipping Name: Printing Ink
Hazard Class: 3 ID Number: UN1210 Packing Group: II
Ems Number: F-E, S-D
Marine Pollutant: No

ICAO/IATA: Proper Shipping Name: Printing Ink
Hazard Class: 3 ID Number: UN1210 Packing Group: II
Cargo Packing Instruction: 364
Passenger Packing Instruction: 353

Section 15. Regulatory Information

Label for supply:



Xi: Irritant



F: Highly Flammable

Risk Phrases: R-10 Flammable
R-11 Highly Flammable
R-36 Irritating to eyes, respiratory system and skin.
R-50 Very toxic to aquatic organisms.
R-61 May cause harm to the unborn child.
R-62 Risk of impaired fertility.
R-66 Repeated exposure may cause skin dryness and cracking.
R-67 Vapors may cause drowsiness and dizziness.

Safety Phrases: S-2 Keep out of reach of children.
S-7 Keep container tightly closed.
S-9 Keep container in a well ventilated place.
S-16 Keep away from sources of ignition – No Smoking.
S-24/25 Avoid contact with skin and eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-29 Do not empty into drains.
S-33 Take precautionary measures against static discharges.
S-51 Use only in well ventilated areas.

EPA/TSCA: All ingredients are listed on the EPA-TSCA Inventory.

DSL/SEPA: All ingredients are listed on the Canadian DSL.

SARA 313: Not reportable.

Section 16. Other Information

This information is based on our present knowledge. However, it does not constitute a guarantee for any specific product properties.

Sprinter Marking urges the recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. The use of this product is beyond the control of Sprinter Marking or it's distributor, therefore, no warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.