

ROCKLAND COLLOID LLC  
PRINTINT COLORANT, PART 1 (BLENDING CONCENTRATE)  
MATERIAL SAFETY DATA SHEET  
Trade Name: PRINTINT® COLORANT (PART 1 OF 2)

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General Information  
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Company's Name: ROCKLAND COLLOID LLC  
Company's P.O. Box: 3120  
Company's Town: Oregon City  
Company's State: OR  
Company's Zip Code: 97045  
Company's Country: U.S.A.  
Company's Emergency Phone #: 914 413-3000  
Date MSDS Prepared: 01JAN96  
Safety Data Review Date: 1/3/13  
Unit Of Issue Container Qty: 120 CC  
Type Of Container: PLASTIC BOTTLE

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: ACETIC ACID (SARA III)  
Ingredient Sequence Number: 01  
Percent: 0.6-6%  
NIOSH (RTECS) Number: AF1225000  
CAS Number: 64-19-7  
OSHA PEL: 10 PPM  
ACGIH TLV: 10 PPM/15 STEL; 9192  
Other Recommended Limit: NONE RECOMMENDED

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Proprietary: NO  
Ingredient: WATER  
Ingredient Sequence Number: 02  
Percent: BALANCE  
NIOSH (RTECS) Number: ZC0110000  
CAS Number: 7732-18-5  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics  
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Appearance And Odor: CLEAR OR YELLOWISH LIQUID WITH A STRONG SMELL OF VINEGAR  
Boiling Point: NOT GIVEN  
Melting Point: NOT GIVEN  
Vapor Pressure (MM Hg/70 F): NOT GIVEN  
Vapor Density (Air=1): NOT GIVEN  
Specific Gravity: NOT GIVEN  
Decomposition Temperature: UNKNOWN  
Evaporation Rate and Ref: NOT GIVEN  
Solubility In Water: DILUTABLE  
pH: < 7  
Corrosion Rate (IPY): UNKNOWN

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Fire and Explosion Hazard Data  
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Flash Point: NONFLAMMABLE

Lower Explosive Limit: NOT GIVEN  
Upper Explosive Limit: NOT GIVEN  
Extinguishing Media: NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.  
Special Fire Fighting Proc: NONFLAMMABLE. USE STANDARD FIREFIGHTING PROCEDURES FOR SURROUNDING MATERIALS IN THE FIRE.  
Unusual Fire and Explosive Hazards: NONE SPECIFIED BY MANUFACTURER.

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Reactivity Data  
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Stability: YES  
Condition To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.  
Materials To Avoid: STRONG OXIDIZERS  
Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NONE. WILL NOT OCCUR.

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Health Hazard Data  
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LD50-LC50 Mixture: NOT GIVEN FOR PRODUCT AS A WHOLE  
Route Of Entry - Inhalation: NO  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: NO  
Health Hazard Acute and Chronic: IRRITATING TO EYES.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.  
Signs/Symptoms Of Overexposure: EYE CONTACT WITH PRODUCT WILL CAUSE IRRITATION.  
Med Condition Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.  
Emergency/First Aid Proc: EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DRINK WATER OR CITRUS JUICES.GET MEDICAL ATTENTION.

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Precautions for Safe Handling and Use  
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Steps If Material Released/Spill: ABSORB ON SAND OR VERMICULITE. PLACE IN A SUITABLE CONTAINER. DILLUTE BY ADDING 20X OF WATER.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
Waste Disposal Method: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.  
Precautions-Handling/Storing: DO NOT GET IN EYES, ON SKIN, MOUTH OR CLOTHING. EYE CONTACT MAY CAUSE IRRITATION OR BURNS.  
Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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Control Measures  
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Respiratory Protection: NONE REQUIRED UNDER NORMAL CONDITIONS  
Ventilation: LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION AS REQUIRED TO MAINTAIN EXPOSURE LEVELS.  
Protective Gloves: NONE REQUIRED UNDER NORMAL CONDITIONS  
Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: AN EMERGENCY EYEWASH SHOULD BE AVAILABLE.  
Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE  
EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.  
Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

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Transportation Data  
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Trans Data Review Date: 95228  
DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
AFI PSN Code: ZZZ  
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Label Data  
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Label Required: YES  
Technical Review Date: 1/3/13  
MFR Label Number: NONE  
Label Status: F  
Common Name: ACETIC ACID, DILUTE  
Chronic Hazard: NO  
Signal Word: CAUTION!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-None: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: IRRITATING TO EYES. DO NOT GET IN EYES, ON  
SKIN, MOUTH OR CLOTHING. EYE CONTACT MAY CAUSE IRRITATION OR BURNS. FIRST  
AID: EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN.  
GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP  
AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION:  
REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL ATTENTION. INGESTION:  
DO NOT INDUCE VOMITING. DRINK WATER OR CITRUS JUICES. GET MEDICAL  
ATTENTION.  
Protect Eye: Y  
Label Name: BLENDING CONCENTRATE  
Label Emergency Number: 914-413-3000

ROCKLAND COLLOID LLC  
PRINTINT COLORANT, PART 2 (COLORANTS)  
MATERIAL SAFETY DATA SHEET  
Trade Name: PRINTINT® COLORANT (PART 2 OF 2)  
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General Information  
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Company's Name: ROCKLAND COLLOID LLC  
Company's P.O. Box: 3120  
Company's Town: Oregon City  
Company's State: OR  
Company's Zip Code: 97045  
Company's Country: U.S.A.  
Company's Emergency Phone #: 914 413-3000  
Date MSDS Prepared: 01JAN96  
Safety Data Review Date: 1/3/13

Unit Of Issue Container Qty: 20 CC'S  
Type Of Container: 3 PLASTIC BOTTLES

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Ingredients/Identity Information  
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Proprietary: NO  
Designation: RED COLORANT  
Ingredient: AMARANTH  
Ingredient Sequence Number: 01  
Percent: 10  
NIOSH (RTECS) Number: N/A  
CAS Number: 915-67-3  
Proprietary: NO  
Designation: YELLOW COLORANT  
Ingredient: TARTRAZINE  
Ingredient Sequence Number: 02  
Percent: 10  
NIOSH (RTECS) Number: N/A  
CAS Number: 1934-21-0  
Proprietary: NO  
Designation: BLUE COLORANT  
Ingredient: INDIGO CARMINE  
Ingredient Sequence Number: 03  
Percent: 10  
NIOSH (RTECS) Number: N/A  
CAS Number: 860-22-0  
Proprietary: NO  
Ingredient: WATER, H2O  
Ingredient Sequence Number: 04  
Percent: 90  
NIOSH (RTECS) Number: ZC0110000  
CAS Number: 7732-18-5

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Physical/Chemical Characteristics  
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Appearance And Odor: COLORED LIQUIDS  
Boiling Point: 212F  
Solubility In Water: MISCIBLE  
pH: 2.2

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Fire and Explosion Hazard Data  
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Reactivity Data  
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Stability: YES  
Condition To Avoid (Stability): EXTREME TEMPERATURES  
Materials To Avoid: N/A  
Hazardous Decomposition Products: NONE  
Hazardous Poly Occur: NO

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Health Hazard Data  
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Route Of Entry - Inhalation: NO  
Route Of Entry - Skin: NO  
Route Of Entry - Ingestion: NO  
Health Haz Acute And Chronic: EYES: IRRITATION. PRACTICALLY NON-TOXIC.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NONE

Signs/Symptoms Of Overexposure: EYES: IRRITATION. PRACTICALLY NON-TOXIC.  
GIVE LARGE QUANTITIES OF WATER OR MILK. OBTAIN MEDICAL ATTENTION IN ALL  
CASES.

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Precautions for Safe Handling and Use  
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Steps If Material Released/Spill: SCOOP UP THE SLURRY/WASH DOWN THE  
DRAIN W/EXCESS WATER.

Neutralizing Agent: N/A

Waste Disposal Method: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL  
REGULATIONS.

Precautions-Handling/Storing: NONE  
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Control Measures  
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Ventilation: ADEQUATE

Eye Protection: SAFETY GLASSES

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. REMOVE  
CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY.  
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Label Data  
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Label Required: YES

Label Status: G

IRRITATION. PRACTICALLY NON-TOXIC.

Label Name: COLORANTS

Label Emergency Number: 914-413-3000