



MATERIAL SAFETY DATA SHEET

Gels and Media

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Gels and Media** including Flex Paste, Realistic Water, Blue Realistic Water, Water Effects, Track Paint- Steel Rail, Track Paint – Rusty Rail, Track Paint – Weathered Tie.

CHEMICAL FAMILY NAME: None

PRODUCT NUMBER: C1205, C1211, SP4195, C1212, TT4580, TT4581, TT4582

U.N. NUMBER: None

U.N. DANGEROUS GOODS CLASS: Non-Regulated Material

SUPPLIER/MANUFACTURER'S NAME: **Woodland Scenics®**

ADDRESS: P.O.Box 98, Linn Creek, MO 65052 USA

BUSINESS PHONE: 1-573-346-5555 (Product Information)

WEB SITE: www.woodlandscenics.com

DATE OF PREPARATION: February 2, 2012

DATE OF LAST REVISION: New

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: These products are milky liquids with a slight ammonia odor.

Health Hazards: Exposure to these products can be irritating to eyes, skin and respiratory tract. Ingestion may cause irritation to the gastrointestinal system.

Flammability Hazards: This product is a non-flammable solution

Reactivity Hazards: None known.

Environmental Hazards: These products are not readily biodegradable and may cause adverse effects in the environment.

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols

Non-Regulated Material

Not Controlled

None

Signal Word: **Caution**

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1

EC# 200-338-0 This substance is not classified in the Annex I of Directive 67/548/EEC

EC# 236-675-5 This substance is not classified in the Annex I of Directive 67/548/EEC

EC# 231-635-3 Annex1 Index# 007-001-00-5 (Not applicable based on percentage)

EC# 249-951-5 This substance is not classified in the Annex I of Directive 67/548/EEC

EC# 215-609-9 This substance is not classified in the Annex I of Directive 67/548/EEC

EC# 231-159-6 This substance is not classified in the Annex I of Directive 67/548/EEC

Consumer Product Labeling: These products labeled in compliance with 67/548/EEC (EU), FHSA/LHAMA (USA), CCCR (Canada) require no warnings or Risk/Safety phrases.

GHS Hazard Classification(s):

None

Hazard Statement(s):

None

Precautionary Statement(s):

None

EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:

None

Risk Phrases:

None

Safety Phrases:

None



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HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: This product does not contain significant amounts of ingredients that have been shown to produce significant health effects when used and handled for their intended purpose or with any foreseeable misuse. Contact with eyes may cause irritation. Prolonged or repeated skin contact may cause irritation. Ingestion may cause gastrointestinal irritation. Respiratory irritation not expected under normal conditions of use. Irritation of the nose, throat and lungs is associated with excessive exposure to ammonia, which may occur when large volumes of product are used in an area with limited ventilation.

CHRONIC: None known

TARGET ORGANS: ACUTE: None known

CHRONIC: None known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
C1205 FLEX PASTE					
Propylene Glycol	57-55-6	200-338-0	0321	20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Titanium Dioxide	13463-67-7	236-675-5	0338	10%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Ammonia	7664-41-7	231-635-3	0414	0.2%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R23
Non-Hazardous Ingredients	Not Listed	Not Listed	Not Listed	Balance	HAZARD CLASSIFICATION: None RISK PHRASES: None
C1211 REALISTIC WATER					
Ammonia	7664-41-7	231-635-3	0414	0.2%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R23
Non-Hazardous Ingredients	Not Listed	Not Listed	Not Listed	Balance	HAZARD CLASSIFICATION: None RISK PHRASES: None
SP4195 BLUE REALISTIC WATER					
Ammonia	7664-41-7	231-635-3	0414	0.2%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R23
Non-Hazardous Ingredients	Not Listed	Not Listed	Not Listed	Balance	HAZARD CLASSIFICATION: None RISK PHRASES: None
C1212 WATER EFFECTS					
Propylene Glycol	57-55-6	200-338-0	0321	20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Dipropylene Glycol-Monobutyl Ether	29911-28-2	249-951-5	1617	5%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Ammonia	7664-41-7	231-635-3	0414	0.2%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R23
Non-Hazardous Ingredients	Not Listed	Not Listed	Not Listed	Balance	HAZARD CLASSIFICATION: None RISK PHRASES: None
TT4580 TRACK PAINTER – STEEL RAIL					
Propylene Glycol	57-55-6	200-338-0	0321	20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Carbon Black	1333-86-4	215-609-9	0471	5%	HAZARD CLASSIFICATION: None RISK PHRASES: None



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Ammonia	7664-41-7	231-635-3	0414	0.2%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R23
Non-Hazardous Ingredients	Not Listed	Not Listed	Not Listed	Balance	HAZARD CLASSIFICATION: None RISK PHRASES: None
HAZARDOUS INGREDIENTS: TT4581 TRACK PAINTER – RUSTY RAIL	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Propylene Glycol	57-55-6	200-338-0	0321	20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Ammonia	7664-41-7	231-635-3	0414	0.2%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R23
Non-Hazardous Ingredients	Not Listed	Not Listed	Not Listed	Balance	HAZARD CLASSIFICATION: None RISK PHRASES: None
HAZARDOUS INGREDIENTS: TT4582 TRACK PAINTER – WEATHERED TIE	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Propylene Glycol	57-55-6	200-338-0	0321	20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Copper	7440-50-8	231-159-6	0240	5%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Ammonia	7664-41-7	231-635-3	0414	0.2%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R23
Non-Hazardous Ingredients	Not Listed	Not Listed	Not Listed	Balance	HAZARD CLASSIFICATION: None RISK PHRASES: None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

SECTION 4 - FIRST-AID MEASURES

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water. Seek medical attention if irritation develops.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT:

Non-Combustible

AUTOIGNITION TEMPERATURE:

Not Applicable

FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): Not Applicable Upper (UEL): Not Applicable

FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing materials appropriate for surrounding fire including water spray (for cooling), dry extinguishing media, carbon dioxide, foam.

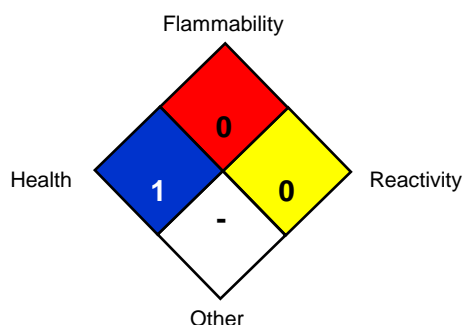
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UNUSUAL FIRE AND EXPLOSION HAZARDS: None known
Explosion Sensitivity to Mechanical Impact: Not Sensitive.
Explosion Sensitivity to Static Discharge: Not Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM	
HEALTH HAZARD (BLUE)	1
FLAMMABILITY HAZARD (RED)	0
PHYSICAL HAZARD (YELLOW)	0
PROTECTIVE EQUIPMENT	
EYES	RESPIRATORY
HANDS	BODY
	See Sect 8
	See Sect 8
For Routine Industrial Use and Handling Applications	

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILLS: Contain spill if safe to do so. Soak up with an absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: Use good hygiene practices.

STORAGE AND HANDLING PRACTICES: Protect against physical damage. Store containers in a cool, dry location. Observe all warnings and precautions listed for the product. Keep from freezing.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	WEEL
Ammonia	7664-41-7	18 mg/m ³	Not Listed	18 mg/m ³
Carbon Black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³	3.5 mg/m ³
Copper	7440-50-8	1 mg/m ³	1 mg/m ³	1 mg/m ³
Dipropylene Glycol Monobutyl Ether	29911-28-2	Not Listed	Not Listed	Not Listed
Propylene Glycol	57-55-6	Not Listed	Not Listed	Not Listed
Titanium Dioxide	13463-67-7	5 mg/m ³	10 mg/m ³	4 mg/m ³



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Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Not required when using this product. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Not required when using this product. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Not required when using this product. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Not required when using this product. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE & ODOR:	Milky liquids with a slight ammonia odor
ODOR THRESHOLD (PPM):	None
VAPOR PRESSURE (mmHg):	Not Available
VAPOR DENSITY:	Not Available
EVAPORATION RATE (nBuAc = 1):	Not Available
BOILING POINT (C°):	212°F (100°C)
FREEZING POINT (C°):	32°F (0°C)
pH:	8.5 – 9.2
SPECIFIC GRAVITY 20°C: (WATER =1)	1.04 – 1.32
SOLUBILITY IN WATER (%):	Miscible

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: When heated to decomposition this product produces carbon oxides

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizers

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with incompatible materials.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is available for this product:

LD 50 Acute Oral	>5,000 mg/kg	Rat
Dermal LD 50	>5,000 mg/kg	Rabbit
Eye Irritation	Minimal	Rabbit
Skin Irritation	Slight	Rabbit

SUSPECTED CANCER AGENT: One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is considered to be, nor suspected to be a cancer-causing agent by these agencies.



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TITANIUM DIOXIDE- IARC classification as Group 2B, possibly carcinogenic to humans.

CARBON BLACK- IARC classification as Group 2B, possibly carcinogenic to humans

IRRITANCY OF PRODUCT: This product is not considered an irritant.

SENSITIZATION OF PRODUCT: This product is not considered a sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

NOTE: This product has been tested and conforms with ASTM D-4236 and are not toxic, corrosive, irritant or strong sensitizer substances as defined by the Federal Hazardous Substances Act. In addition the materials meet the requirements of the Canada Consumer Product Safety Act and are not toxic or corrosive products. They do not require chronic or acute toxicity hazard labeling.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: There is no specific data is available for this product, however this product is not expected to cause any adverse effects to the environment.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: This product is not expected to cause adverse effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: This product is not expected to cause adverse effects on aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

RCRA WASTE CODE: None

EU WASTE CODE: None

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Non-Regulated Material

HAZARD CLASS NUMBER and DESCRIPTION: None

UN IDENTIFICATION NUMBER: None

PACKING GROUP: None

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): None

MARINE POLLUTANT: This product does not contain ingredients that are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD

(ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.



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SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:

CAS# 7664-41-7: SARA 302 TPQ 500 LBS .SARA 304 RQ 100 Lbs., SARA 313 Reporting

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute No Chronic Health: No Fire: No Reactivity: No
Health:

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): CAS# 7664-41-7 100 Lbs.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): One or more of the ingredients are on the California Proposition 65 lists.

WARNING! This product may contain ingredients that are known to the State of California to cause cancer.

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS:All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as Not Controlled, as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftlist List of Toxic Substances:	Listed
U.S. TSCA:	Listed



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SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

MSDS Authoring PLUS

Although the information set forth herein is presented in good faith and believed to be correct as of the date of issuance, it has been furnished by our suppliers; consequently, Woodland Scenics makes no representations or warranties, express or implied, with respect to information herein presented. The information set forth herein is supplied upon the condition that the persons receiving same will make their own determination as to suitability for their purposes prior to use and relates only to the specific product described and not to such product in combination with any other product. In no event will Woodland Scenics be responsible for damages of any nature resulting from the use of or reliance upon this information.