

Ames® Reflective Paint™ Clear and Tinted

Product Name (as used on Label and List)

Color: Clear, Red, Yellow, Silver, Green, Orange, or Blue

Revision Date: 2-15-18



GHS Safety Data Sheets (SDS)

SECTION 1 – IDENTIFICATION	
PRODUCT NAME	Ames® Reflective Paint™ Clear & Tinted (Red, Yellow, Silver, Green, Orange, Blue)
OTHER MEANS OF IDENTIFICATION	RPC, RPRD, RPY, RPSR, RPGN, RPO, RPBE
END USE	Latex paints and coatings, water borne dispersion
MANUFACTURER	Ames Research Laboratories, Inc. Salem, Oregon 97302 Corporate Office: 1891 16 th Street SE Salem, Oregon 97302-1436 (503) 588-3330
EMERGENCY PHONE NUMBER	1-888-345-0809 or Chemtrec 1-800-424-9300

SECTION 2 – HAZARD IDENTIFICATION	
CLASSIFICATION	Acute Toxicity, Dermal – 5: Serious Eye Damage/Eye Irritation – 2B: Acute Toxicity, Inhalation – 5:
SIGNAL WORD	WARNING
HAZARD STATEMENT	May be harmful in contact with skin (H313) Causes eye irritation (H320) May be harmful if inhaled (H333)
HAZARD PICTOGRAMS	N.A. – No Symbol
PRECAUTIONARY STATEMENT(S)	Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapor/spray. Use only outdoors or in well-ventilated area. If hands or other body parts come in contact, wash thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. (P305+P351+P338) If eye irritation persists: Get medical attention from a physician. (P337+P313) IF ON SKIN OR INHALED: Call a POISON CENTER or doctor/physician if you feel unwell. (P304+P312)
HAZARDS NOT OTHERWISE CLASSIFIED	N.A.

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS		
SUBSTANCE / MIXTURE	Mixture	
OTHER MEANS OF IDENTIFICATION	N. A.	
CAS # / IDENTIFIERS		
INGREDIENT NAME	% BY WEIGHT	CAS NUMBER
Proprietary Acrylic Polymer*	45 – 55 %	Proprietary
Glass Oxide	35 – 45 %	65997-17-3
Water	1 – 15 %	7732-18-5
Yellow Pigment (Yellow Only)	5 – 15 %	Proprietary Mixture
Red Pigment (Red Only)	3 – 8 %	Proprietary Mixture
Silver Pigment (Silver Only)	1 – 5 %	Proprietary Mixture
Yellow Tint (Orange Only)	1 – 5 %	Proprietary Mixture
Red Tint (Orange Only)	1 – 5 %	Proprietary Mixture
Green Tint (Green Only)	1 – 5 %	Proprietary Mixture
Yellow Tint (Green Only)	1 – 5 %	Proprietary Mixture
Blue Pigment (Blue Only)	1 – 5 %	Proprietary Mixture

Any concentrations shown in a range are to protect trade secret confidentiality or is due to batch variation. There are no additional ingredients present, which within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

SECTION 4 – FIRST AID MEASURES	
DESCRIPTION OF NECESSARY FIRST AID MEASURES	
EYE CONTACT	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so while rinsing. If eye irritation persists: Get medical attention from a physician.
INHALATION	Remove affected individual(s) to fresh air. Get medical attention from a physician if breathing difficulty develops.
SKIN CONTACT	Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Wash contaminated clothes before reuse.
INGESTION	If swallowed, rinse mouth thoroughly. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if irritation persists or if concerned.
MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED	
EYE CONTACT	May cause eye irritation
INHALATION	May cause respiratory tract irritation
SKIN CONTACT	May cause skin irritation
INGESTION	N/A. No data on latex. Ingestion not a probable route of entry.
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS, IF NECESSARY	

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EYE CONTACT	N/A
INHALATION	N/A
SKIN CONTACT	N/A
INGESTION	N/A

SECTION 5 – FIRE FIGHTING MEASURES	
EXTINGUISHING MEDIA: SUITABLE MEDIA	To extinguish combustible residues of this product, use water fog, CO ₂ , dry chemical or chemical foam or alcohol-resistant foam.
EXTINGUISHING MEDIA: UNSUITABLE MEDIA	N/A
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Under fire conditions, some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to hydrocarbons, CO and dense smoke.
SPECIAL PROTECTIVE ACTIONS FOR FIRE- FIGHTERS	Keep people away. Isolate fire area and deny unnecessary entry. Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers.
SPECIAL EQUIPMENT FOR FIRE-FIGHTERS	Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	
FOR NON- EMERGENCY PERSONNEL	Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
FOR EMERGENCY PERSONNEL	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel”.
ENVIRONMENTAL PRECAUTIONS	Avoid runoff into storm sewers and ditches that lead to waterways. This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Consult your state or local authorities for proper disposal in the event that more restrictive requirements apply.

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METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	
LARGE SPILLS	Soak spills with sand or earth and remove. Repeat sorbent/sweep cycle until the spill is dried up. Large spills of the material may best be cleaned up by absorbing the liquid on solid materials such as vermiculite, clay, kitty litter, or by adding aqueous electrolyte to coagulate the polymer for disposal in an approved landfill. Collect and dispose according to local regulations.
SMALL SPILLS	Flush with water.

SECTION 7 – HANDLING AND STORAGE	
PRECAUTIONS FOR SAFE HANDLING	
PROTECTIVE MEASURES	Use in a well ventilated area. Keep out of reach of children. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the respective exposure limits. Use goggles and gloves. Similar to most latex paints.
GENERAL HYGIENE	Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	Keep container closed when not in use. Dries rapidly. PROTECT FROM FREEZING.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION				
OCCUPATIONAL EXPOSURE LIMITS				
	OSHA PEL 8-HR TWA	OSHA PEL STEL/Ceiling	ACGIH TLV-TWA	ACGIH TLV-STEL
Proprietary Acrylic Polymer	N.E.	N.E.	N.E.	N.E.
Glass Oxide	15 mg/m ³ (total dust) 5 mg/m ³ (respirable)	N.E.	10 mg/m ³ (total dust) 3 mg/m ³ (respirable)	N.E.
Titanium Dioxide	15 mg/m ³	N.E.	10 mg/m ³	N.E.
Yellow Pigment (Yellow Only)	N.A.	N.A.	N.A.	N.A.
Red Pigment (Red Only)	N.A.	N.A.	N.A.	N.A.
Silver Pigment (Silver Only)	N.A.	N.A.	N.A.	N.A.
Yellow Tint (Orange Only)	N.A.	N.A.	N.A.	N.A.
Red Tint (Orange Only)	N.A.	N.A.	N.A.	N.A.
Green Tint (Green Only)	N.A.	N.A.	N.A.	N.A.
Yellow Tint (Green Only)	N.A.	N.A.	N.A.	N.A.

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Blue Pigment (Blue Only)	N.A.	N.A.	N.A.	N.A.
CONTROLS				
ENGINEERING CONTROLS	Good general ventilation should be sufficient for most conditions.			
PERSONAL PROTECTIVE EQUIPMENT	Wear safety glasses with side shields or safety goggles. Wear clean, long-sleeved, body-covering clothing. Nitrile, Neoprene [®] , or rubber gloves should provide protection against skin contact. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, or areas are poorly vented, wear an approved air-purifying respirator.			

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE	
PHYSICAL STATE	Thick liquid
COLOR	Clear or tinted
ODOR	Slight ammonia odor
ODOR THRESHOLD	N.D.
pH	9.0 –10
MELTING POINT	N/A
BOILING POINT	212° F (100° F)
FREEZING POINT	32° F (0° C)
FLASH POINT	N.A.
EVAPORATION RATE	Similar to Latex paint, water based Latex polymers
FLAMMABILITY (SOLID, GAS)	N/A
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	N.A.
VAPOR PRESSURE	N/A
VAPOR DENSITY	N/A
RELATIVE DENSITY	N/A
SOLUBILITY(IES)	Product is sold as dilutable. Polymer component is insoluble.
PARTITION COEFFICIENT: N-OCTANOL / WATER	N/A
AUTO-IGNITION TEMPERATURE	N.A.
DECOMPOSITION TEMPERATURE	N/A
VISOCITY	N/A
SPECIFIC GRAVITY	1.25 – 1.3

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SECTION 10 – STABILITY AND REACTIVITY	
REACTIVITY	This product is not reactive under normal conditions.
CHEMICAL STABILITY	This product is stable under normal storage conditions and during its intended use.
POSSIBILITY OF HAZARDOUS REACTION	Will not occur under normal conditions.
CONDITIONS TO AVOID	Avoid freezing temperatures (less than 32° F or 0° C). Products decompose at elevated temperatures. Avoid contact with oxidizing material.
INCOMPATIBLE MATERIALS	Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.
HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Thermal decomposition may produce various hydrocarbons, oxides of carbon, and irritating, acid vapors.

SECTION 11 – TOXICOLOGICAL INFORMATION	
INFORMATION ON TOXICOLOGICAL EFFECTS	
ACUTE TOXICITY	May cause slight irritation to skin, eyes, throat and respiratory tract.
IRRITATION / CORROSION	May cause slight irritation to skin, eyes, throat and respiratory tract.
SENSITIZATION	N.A.
MUTAGENICITY	N.A.
CARCINOGENICITY	N.A.
REPRODUCTIVE TOXICITY	N.A.
TETRAOGENICITY	N.A.
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)	N/A
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)	N/A
ASPIRATION HAZARD	N/A
INFORMATION ON LIKELY ROUTES OF EXPOSURE	Dermal is likely route of exposure.
POTENTIAL ACUTE HEALTH EFFECTS	
EYE CONTACT	May cause slight irritation
INHALATION	May cause respiratory tract irritation
SKIN CONTACT	May cause irritation
INGESTION	Irritating to mouth, throat and stomach
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS	
EYE CONTACT	N/A

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INHALATION	N/A		
SKIN CONTACT	N/A		
INGESTION	N/A		
DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE			
SHORT TERM EXPOSURE – POTENTIAL IMMEDIATE EFFECTS	N/A		
SHORT TERM EXPOSURE – POTENTIAL DELAYED EFFECTS	N/A		
LONG TERM EXPOSURE – POTENTIAL IMMEDIATE EFFECTS	N/A		
LONG TERM EXPOSURE – POTENTIAL DELAYED EFFECTS	N/A		
POTENTIAL CHRONIC HEALTH EFFECTS			
GENERAL	N.A.		
CARCINOGENICITY	N.A.		
MUTAGENICITY	N.A.		
TERATOGENICITY	N.A.		
DEVELOPMENTAL EFFECTS	N.A.		
FERTILITY EFFECTS	N.A.		
NUMERICAL MEASURES OF TOXICITY (ACUTE TOXICITY ESTIMATE)	N.A.		
TOXICOLOGICAL DATA:			
INGREDIENT	ORAL RAT (LD50)	SKIN RABBIT (LD50)	INHALATION RAT (LC50)
Proprietary Acrylic Polymer	N/A	N/A	N/A
Titanium Dioxide	10000 mg/kg	N/A	N/A
Glass Oxide	N/A	N/A	N/A

SECTION 12 – ECOLOGICAL INFORMATION	
TOXICITY	Contains water-based acrylic. Relative non-toxic to environment.
PERSISTENCE AND DEGRADABILITY	N/A
BIOACCUMULATIVE POTENTIAL	N/A
MOBILITY IN SOIL	N/A
OTHER ADVERSE EFFECTS	N/A

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SECTION 13 – DISPOSAL CONSIDERATIONS	
DISPOSAL CONSIDERATIONS	Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

SECTION 14 – TRANSPORTATION INFORMATION					
DOT PROPER SHIPPING NAME			Not regulated		
	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN NUMBER	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN PROPER NAME	-	-	-	-	-
PACKING GROUP	-	-	-	-	-
TRANSPORT HAZARD CLASS(ES)	-	-	-	-	-
ENVIRONMENTAL HAZARDS	No.	No.	No.	No.	No.
ADDITIONAL INFORMATION	Special Provisions Not Applicable	Special Provisions Not Applicable	Special Provisions Not Applicable	Emergency Schedules (Ems) Not Applicable	Special Provisions Not Applicable
SPECIAL PRECATIONS FOR USERS:	Multi-model shipping descriptions are provided for information purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for the mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.				
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL II 73/78 AND THE IBC CODE	N.A				
PROPER SHIPPING NAME	N.A				
SHIP TYPE	N.A				
POLLUTION CATEGORY	N.A				

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SECTION 15 – REGULATORY INFORMATION	
U.S. FEDERAL REGULATION	
OSHA	Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)
CERCLA – SARA HAZARD CATEGORY	This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following category: None.
SARA SECTION 313	This product does not contain toxic chemical(s) at or above the de minimus concentrations subject to the reporting requirements of section 313 of Title III Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372.
TOXIC SUBSTANCES CONTROL ACT	This product meets the compositional requirements of the Toxic Substances Control Act and contains only chemical ingredients that are listed on the TSCA inventory.
CALIFORNIA PROP. 65	Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
INTERNATIONAL REGULATIONS	
CANADIAN EPA	This product complies with Domestic Substance List of the Canadian Environmental Agency.
CANADIAN WHMIS CLASS	N/A

SECTION 16 – OTHER INFORMATION				
HMIS RATINGS	HEALTH 1	FLAMMABILITY 0	REACTIVITY 0	PERSONAL PROTECTION B
EUROPEAN PRECAUTIONARY PICTOGRAMS				
General:				
If spraying or in poorly ventilated area:				
PREVIOUS SDS REVISION DATE	N.A.			

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REASON FOR REVISION	N.A.
VOLATILE ORGANIC COMPOUNDS (VOC'S)	<50 grams/liter
LEGEND	N.A. – Not Applicable, N.E. – Not Established, N.D. – Not Determined
ABBREVIATIONS USED	N/A – Information or data not available, NTP – National Toxicological Program, IARC – International Agency for Research on Cancer, NIOSH – National Institute of Occupational Safety and Health, PEL – Permissible Exposure Limit (8-hour TWA OSHA), TLV – Threshold Limit Value (8-Hour TWA ACGIH), STEL – Short Term Exposure Limit (15 min. TWA OSHA), C – Ceiling Value
NOTICE TO READER	<p>It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of a material can change the composition, hazards and risks of the product. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that their activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for the SDS's obtained from any other source.</p> <p>Note: This information must be included in all SDS that are copied and distributed for this material.</p>

END OF SAFETY DATA SHEET