



MATERIAL SAFETY DATA SHEET

UNIVERSEAL COLOUR PLUS

Section I - Product Identity

Product Name	Colour Plus
Chemical Family	One-Step Colour Intensifier & Impregnator
Emergency Infotrac Number	352-323-3500
Date Prepared	May 1, 2008
Prepared By	Universeal Product Agencies, Ltd.

Section II - Hazardous Components/Composition Information

CHEMICAL NAME	CAS #	WEIGHT (%)	OSHA PEL TWA	ACGIH PEL TWA	NOTES
Acetone	67-64-1	60-70 %	1000 ppm	500 ppm	
Aromatic Hydrocarbon	64742-95-6	12-23 %	25 ppm	25 ppm	
Synthetic Isoparaffinic Hydrocarbon	64742-48-9	5-10 %	500 ppm	100 ppm	
n-Butyl Acetate	123-86-4	<3 %	200 ppm	150 ppm	
Proprietary Fluorinated Polymer	Trade Secret	<3 %	Not established	Not established	This substance is on the TSCA inventory list
2,6-Demethyl-4-Heptanone	108-83-8	1-3 %	25 ppm	25 ppm	

Section III - Physical and Chemical Properties

Boiling Point	n/a	Vapor Pressure	n/a	Vapor Density (Air=1)	>1
Specific Gravity	0.834	Weight per Gallon	7.12	pH	n/a
Freezing Point	n/a	Evaporation Rate (BuAc=1)	>1	Percent Volatile By Weight	>80 %
VOCs	1.80 pounds per gallon				
Appearance and Odor	Colorless, clear liquid with a solvent odor				
Solubility in Water	Insoluble				

Section IV - Firefighting Measures

Flash Point (Method Used)	<70°F (Tag Closed Cup)
Autoignition Temperature	Not established
Explosive Limits	Not established
Extinguishing Media	Alcohol foam, CO ₂ , Dry Chemical, Water Fog
Special Firefighting Procedures	Water spray may be ineffective, but water spray must be used to cool containers exposed to heat or fire to prevent pressure build-up.
Unusual Fire and Explosion Hazard	Closed containers may explode due to the pressure build-up from extreme heat or fire. Aerosol spray is extremely flammable.
Combustion Products	Carbon dioxide, carbon monoxide, trace amounts of hydrocarbon flouride.
Firefighting Equipment	Self-contained breathing apparatus should be used if product is involved in fire.

Hazard Ratings

NFPA Rating (based on Standard 704)	(4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant)
Health	1
Flammability	3
Reactivity	0

Section V - Stability & Reactivity

Stability	Stable	XX	Unstable	
Incompatibilities	Avoid contact with strong oxidizers.			
Conditions to Avoid	Heat, sparks and flame.			
Hazardous Decomposition	Will Not Occur			
Hazardous Polymerization	Will Not Occur			

Section VI - Health Hazard Data

Signs and Symptoms of Exposure						
Eye Contact	Non-irritating to practically non-irritating.					
Skin Contact	Slight to moderate irritation. Prolonged or repeated exposure can result in defatting and drying of the skin which may result in skin irritation and dermatitis.					
Ingestion	May result in vomiting.					
Inhalation	High vapor concentrations may result in Central Nervous System (CNS) depression. Aspiration into lungs must be avoided as even small quantities may result in aspiration pneumonitis.					
Carcinogenity	NTP?	No	IARC Monograph?	No	OSHA Regulated?	No
Emergency First Aid Procedures						
Eyes	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open.					
Skin	Remove clothing and shoes and wipe excess from skin. Flush skin with water. Follow by washing skin with soap and water. Do not reuse clothes until cleaned.					
Ingestion	DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.					
Inhalation	Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by a qualified person.					
GET MEDICAL ATTENTION AS NECESSARY.						

Section VII - Precautions for Safe Handling and Storage

Storage Requirements	Do not store above 120°F (49°C). Do not store or use near heat, sparks or flame.
KEEP OUT OF REACH OF CHILDREN.	

Section VIII - Special Precautions

Small Spill	Remove all sources of ignition - flames, sparks, static electricity and electrical. Ventilate area.
Large Spill	Remove all sources of ignition - flames, sparks, static electricity and electrical. Ventilate area. Avoid material running into sewers or streams by diking, and soak up with inert absorbent using non-sparking tools.
Toxicological Information	Laboratory studies have shown that petroleum distillates may cause kidney, liver or lung damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
Ecological Information	Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.
Disposal Considerations	Dispose of unused or empty containers in accordance with local, state and federal regulations. Empty containers may still contain product residues.

Section IX - Exposure Controls / Personal Protection

Engineering Controls	Recommend an approved mechanical particulate filter to remove any airborne overspray. In restricted areas with poor ventilation, use a NIOSH-approved Organic Cartridge Respirator. For concentrations above the PEL, use a positive air-supplied respirator.
Eye Protection	Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn.
Skin Protection	Test data indicates the best protection is provided by neoprene, nitrile and natural rubber gloves.
Ventilation	ALL APPLICATION AREAS SHOULD BE ADEQUATELY VENTILATED IN ORDER TO KEEP THE ITEMS IN SECTION 2 BELOW THEIR EXPOSURE LIMITS.
Respiration	In restricted areas with poor ventilation, use a NIOSH-approved Organic Cartridge Respirator.

Section X - Regulatory Information

OSHA Compliance	This MSDS prepared in accordance with 29CFR 1910.1200 and ANSI Z400.1 standard.
TSCA	Although components of this product find listing under the Toxic Substances Act (TSCA), this blended product requires no import or export declaration.
SARA Title III	This material is classified as an immediate (acute) health hazard, delayed (chronic) health hazard and fire hazard.
CERCLA State and Local Planning	Not required.

Section XI Transportation Information

Department of Transportation (DOT) Requirements	
Proper Shipping Name	Flammable Liquids N.O.S., - Acetone Naphtha
Hazard Class	3
Packaging Group	II
UN Number	UN1993

IATA	
Proper Shipping Name	Flammable Liquids N.O.S., - Acetone Naphtha
Hazard Class	3
UN Number	UN1993
Labels Required	Flammable 3

IMDG			
Proper Shipping Name	Flammable Liquids N.O.S., - Acetone Naphtha		
Hazard Class	3		
UN Number	UN1993		
Labels Required	Flammable 3	Transport Category	2



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