

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Original Color Chips High Performance Urethane
PRODUCT CODES: HPU 747 Clear
MANUFACTURER: Original Color Chips Company
STREET ADDRESS: 26200 Groesbeck Hwy
CITY, STATE, ZIP: Warren, MI 48089
INFORMATION PHONE: 724-483-9300
EMERGENCY PHONE: Chemtrec 800-424-9300
FAX PHONE: 724-483-9306
PREPARED BY: Harry Jackson
DATE REVISED: 9/15/05

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
Propylene Glycol Monomethyl Ether Acetate	108-65-6	none	none	none	
Saturated Polyester Polyol (non-hazardous)	unknown	none	none	none	
Saturated Polyester Resin (non-hazardous)	unknown	none	none	none	
Proprietary Additives (non-hazardous)	unknown	none	none	none	
*Xylene	1330-20-7	100 ppm	100 ppm	150 ppm	<0.5%
2,6-Dimethyl-4-Heptanone	108-83-8	25 ppm	25 ppm	none	
*Ethyl benzene	100-41-4	100 ppm	100 ppm	125 ppm	<0.5%
Dibutyltin Dilurate	77-58-7	0.1mg / m3	0.1mg / m3	0.1mg / m3	
Methyl N-Amyl Ketone	110-43-0	100 ppm	50 ppm	none	
Cellulose Acetate Butyrate Ester	9004-36-8	none	none	none	
Ethyl 3-Ethoxypropionate	763-69-9	none	none	none	
Copper Phthalocyanate	147-14-8	none	none	none	
Carbon black	1333-86-4	3.5 ppm	3.5 ppm	none	

SECTION 2 NOTES: *Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372. All components are on the TSCA list Xylene Stel= 150PPM (ACGIH) Methyl N-Amyl Ketone Stel (ACGIH)= 100PPM

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: low viscosity liquid with ketone solvent odor.
BOILING POINT OR RANGE: 279 to 329F
VAPOR DENSITY (AIR = 1): not available

SPECIFIC GRAVITY (H₂O = 1): 1.0
EVAPORATION RATE: not available
SOLUBILITY IN WATER: negligible

SECTION 3 NOTES:

SECTION 4: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, **UPPER:** not available
(% BY VOLUME) **LOWER:** not available

FLASH POINT: 100F

METHOD USED: Seta Flash

EXTINGUISHING MEDIA: Foam, alcohol foam, CO₂, dry chemical, water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Do not enter confined fire area without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus. Cool all fire exposed containers with water. Minimize contact with material.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode when exposed to extreme heat. Solvent vapors may be heavier than air. Under conditions of stagnant air, vapors may build up and travel along the ground to an ignition source which can result in flash back to the source of the vapors. Toxic vapors could be evolved from the combustion of this material.

SECTION 4 NOTES:

SECTION 5: STABILITY AND REACTIVITY

STABILITY: stable

CONDITIONS TO AVOID (STABILITY): Avoid excessive heat or open flames. This material should not be mixed with phosphorous containing material or oxidizers.

INCOMPATIBILITY (MATERIAL TO AVOID): Can react Vigorously with strong oxidizing agents and phosphorous containing materials.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 5 NOTES:

SECTION 6: HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATION

HEALTH: 2	FLAMMABILITY: 3	REACTIVITY: 0	PERSONAL PROTECTIVE EQUIPMENT: G
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POTENTIAL HEALTH EFFECTS

EYES: May cause corneal damage if left untreated which is slow to heal but usually reversible.

SKIN: May cause irritation or allergic response. May cause defatting, dryness, cracking, rash or redness or dermatitis.

SKIN ABSORPTION: Solvents can penetrate the skin causing effects similar to those for acute inhalation symptoms.

INGESTION: Can cause irritation to the digestive tract including sore throat, abdominal pain, nausea, vomiting and diarrhea. Vomiting may Cause Aspiration of solvents resulting in chemical pneumonitis.

INHALATION health risks and symptoms of exposure: Solvent vapors are irritating to the eyes, nose and throat and respiratory tract resulting in dryness of the throat and tightness in the chest. Other symptoms include headache, nausea, narcosis, fatigue and loss of appetite.

HEALTH HAZARDS (ACUTE AND CHRONIC): Chronic Exposure to organic solvents has been associated with various neurotoxic effects including brain damage, nervous system damage or death. Prolonged vapor contact may cause conjunctivitis. Chronic inhalation may also include loss of memory, loss of intellectual ability and loss of coordination. Corneal damage is possible but usually reversible. Repeated Exposure to solvents can cause anemia, liver abnormalities, kidney damage or cardiac abnormalities.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory conditions or other allergic response.

CARCINOGENICITY

OSHA: NO	NTP: NO	IARC: NO
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ADDITIONAL CARCINOGENICITY INFORMATION: No listed ingredients of this product are regulated as carcinogens.

SECTION 7: FIRST AID MEASURES

EYES: Flush eyes with water for at least fifteen minutes and consult a physician.

SKIN: Wash affected area with soap and water and remove contaminated clothing promptly.

INGESTION: Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

INHALATION: Remove victim to fresh air area and administer oxygen if necessary. Consult a physician if necessary.

SECTION 7 NOTES:

SECTION 8: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition and ventilate the area. Wear appropriate protective equipment such as vapor cartridge or air supplied respirator when necessary. Dike and absorb the material with absorbent such as clay and place in disposal containers.

SECTION 8 NOTES:

SECTION 9: WASTE DISPOSAL

WASTE DISPOSAL METHOD: Dispose of the material in a waste disposal site in accordance with local, state, and federal laws. Empty containers should be handled with care due to product residue and possible vapor from organic solvents. Never use a gas or electric torch to cut the drums.

SECTION 10: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in cool dry area. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using the toilet facilities. Mixed materials contain the hazards of all the components; therefore, read the MSDS's of all the components prior to using the material. Properly label all containers.

OTHER PRECAUTIONS: Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles cannot be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to the reuse thereof. Supply appropriate ventilation or engineering controls prior to using this product.

SECTION 10 NOTES:

SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use a NIOSH approved respirator as required to prevent over-exposure to vapor in accordance with 29 CFR 1910.134. Use a positive pressure respirator when airborne concentrations are not known or if exceeding TLV's or if working in a confined space. Always consider the hazards from all components in the mixed material state.

VENTILATION: Exhaust ventilation sufficient to keep the airborne concentrations of the solvents and other hazardous materials below the toxic level concentrations.

PROTECTIVE GLOVES: Impervious gloves - neoprene or rubber.

EYE PROTECTION: Splash goggles or glasses with side shields. If the environment warrants, a full

face shield should be employed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear body covering clothing and other coverings as necessary such as an apron and appropriate footwear to avoid contact.

WORK HYGIENIC PRACTICES: Observe good general hygienic practices.

SECTION 11 NOTES:

SECTION 12: DISCLAIMER

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.