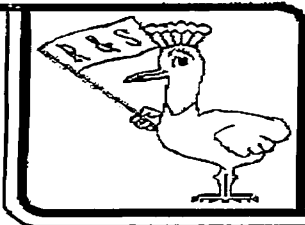


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* Perler Bead Craft*

60964-XXXX

MATERIAL SAFETY DATA SHEET

MSDS DATE: 8/21/02

PRODUCT NAME: RV-42257 ORANGE #10500004

I. PRODUCT IDENTIFICATION

HMIS HAZARD RATING

HEALTH HAZARD: 0

FIRE HAZARD: 1

REACTIVITY: 0

PPE:

Based on the National Paint & Coatings Association HMIS Rating System

SARA / TITLE III HAZARD CATEGORIES

Immediate (Acute) Health: NO

Reactive Hazard: NO

Delayed (Chronic) Health: NO

Sudden Release of Pressure: NO

Fire Hazard: NO

MANUFACTURERS
NAME &
ADDRESS

EMERGENCY PHONE:

CHEMTREC: (800) 424-9300

CHEMICAL FAMILY: PE

FORMULA: Proprietary

SYNONYMS/Common Names: L.D.P.E. Color Concentrate

DOT PROPER SHIPPING NAME: N/A

DOT I.D. NUMBER: N/A

DOT HAZARD CLASS: N/A

DOT HAZARDOUS SUBSTANCE: N/A

II. HAZARDOUS INGREDIENTS

PIGMENTS: Not Applicable (N/A)

VEHICLE: Not Applicable (N/A)

ADDITIVES: Not Applicable (N/A)

All of the ingredients in this material are not considered hazardous by OSHA Hazard Communication Standard 29 CFR 1910.1200, NTP, IARC, and by California's Proposition 65.

A more detailed disclosure will be provided to appropriate medical or industrial hygiene personnel as privileged information upon request in case of need for specific treatment.

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PRODUCT: RV-42257 ORANGE #10500004

III. PHYSICAL DATABOILING POINT: N/A
FREEZING POINT: N/ASOLUBILITY IN WATER: None
SPECIFIC GRAVITY (H2O=1): 1.99PARTICLE SIZE: 1/8in Pellets
APPEARANCE & ODOR: White, Black, or Colored. Powders, cubes, spheres, hexagons approximately from grains to 1/8" in size. Odor is mild to negligible.**IV. FIRE AND EXPLOSION DATA**FLASHPOINT / AUTOIGNITION TEMPERATURE (ASTM D1929): >400 degrees F
FLAMMABLE LIMITS IN AIR, % BY VOLUME - UPPER: N/A
LOWER: N/A

EXTINGUISHING MEDIA: water spray, water fog, foam, CO2, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE & EXPLOSION HAZARDS: None**V. HEALTH HAZARD DATA**

PERMISSIBLE CONCENTRATIONS (AIR): N/A

EFFECTS OF OVEREXPOSURE:

ROUTES OF EXPOSUREINHALATION: No effect under normal operating conditions
SKIN: No effect under normal operating conditions
EYES: No effect under normal operating conditions
INGESTION: No effect under normal operating conditions**EMERGENCY & FIRST AID PROCEDURES**INHALATION: remove to fresh air if symptoms develop
SKIN: wash thoroughly with soap & water
EYES: if symptoms develop, flush eyes with adequate stream of water. if irritation persists
SEEK MEDICAL ATTENTION
INGESTION: if conscious, give large quantities of water or milk. SEEK MEDICAL ATTENTION**VI. REACTIVITY DATA**STABILITY: Stable
MATERIALS TO AVOID: None

CONDITIONS TO AVOID: None

REACTIVITY TO LIGHT: N/A

AIR: N/A

WATER: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: Temperatures over 700 deg. F may emit HCL

HAZARDOUS POLYMERIZATION: Will not occur

MSDS DATE: 8/21/2002

PRODUCT: RV-42257 ORANGE #10500004

VII. SPECIAL PROTECTION

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VENTILATION REQUIREMENTS: General room ventilation

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY: A NIOSH/MSHA approved respirator should be worn if the PEL is exceeded

EYE: Wear safety glasses with side shields (ANSI 87.1, 1979) as good industrial practice

GLOVES: Not necessary

OTHER PROTECTIVE EQUIPMENT: Eye wash station, uniforms.

VIII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS

Store in closed containers in a cool, dry, well ventilated area, away from direct heat.

IX. ENVIRONMENTAL PROCEDURES

SPILL &/OR LEAK PROCEDURES

Carefully sweep or vacuum up and place in marked containers for reuse or disposal.

WASTE DISPOSAL METHOD

Dispose of in compliance with federal, state, and local government regulations.

X. ADDITIONAL INFORMATION

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a HAZARD COMMUNICATIONS PROGRAM including labeling, Material Safety Data Sheets, training and access to written records. We request that you, & it is your legal obligation to make all information in this Material Safety Data Sheet available to your employees.

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section I. If the word "YES" appears next to any category, this product may be reported by you under the requirements of 40 CFR Part 370. Please consult those regulations for details.

State of California Drinking Water & Toxic Enforcement Act of 1986 (Proposition 65).

PREPARED / REVISED BY:

Roland Hoffman
September, 1994

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"LDPE with V.A."

DU PONT -- ELVAX RESINS, ALL TYPES -- 6520-01-354-6041

=====
Product Identification
=====

Product ID:ELVAX RESINS, ALL TYPES
MSDS Date:11/09/1990
FSC:6520
NIIN:01-354-6041
Status Code:A
=== Responsible Party ===
Company Name:DU PONT
Address:1007 MARKET ST
City:WILMINGTON
State:DE
ZIP:19801
Country:US
Info Phone Num:800-441-7515
Emergency Phone Num:(800) 441-3637
Preparer's Name:T.E. SCHROER
CAGE:1AR68
=== Contractor Identification ===
Company Name:GEMINI LACQUERS, INC.
Address:101 SW 22ND
Box:City:EL RENO
State:OK
ZIP:73036
Country:US
Phone:405-262-5710
CAGE:1AR68
Company Name:GREAT LAKES ORTHODONTICS, LTD.
Address:199 FIRE TOWER DRIVE
City:TONAWANDA
State:NY
ZIP:14151-5111
Phone:(716) 695-6251
CAGE:42771

=====
Composition/Information on Ingredients
=====

Ingred Name:VINYL ACETATE
CAS:108-05-4
RTECS #:AK0875000
< Wt:.3
Other REC Limits:10 PPM
OSHA PEL:10 PPM/15 STEL
ACGIH TLV:10 PPM/15, A3 STEL:93
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYLENE-VINYL ACETATE COPOLYMER
> Wt:99.7

=====
Hazards Identification
=====

LD50 LC50 Mixture:ORAL LD50 (RAT): >1000 ML/KG
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN: THERMAL BURNS. EYE: MECHANICAL
IRRITATION, REDNESS, TEARING & ITCHING. INHALATION:

<http://hazard.com/msds/f2/clg/clgnl.html>

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IRRITATION/SORENESS OF THE NOSE/THROAT & COUGHING.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:SKIN: THERMAL BURNS. EYE: MECHANICAL
IRRITATION, REDNESS, TEARING & ITCHING. INHALATION:
IRRITATION/SORENESS OF THE NOSE, THROAT & COUGHING.

=====
First Aid Measures
=====

First Aid:EYES: FLUSH W/WATER. SKIN: WASH W/PLENTY OF SOAP & WATER. IF
MOLTEN POLYMER CONTACTS SKIN, COOL RAPIDLY W/COLD WATER. DON'T
ATTEMPT TO PEEL POLYMER FROM SKIN. INHALATION: REMOVE TO FRESH AIR.
IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. OBTAIN MEDICAL
ATTENTION IN ALL CASES.

=====
Fire Fighting Measures
=====

Flash Point Method:COC
Flash Point:=260.C, 500.F
Extinguishing Media:WATER, CO2, FOAM, & DRY CHEMICAL.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:THE SOLID POLYMER CAN BE COMBUSTED ONLY
W/DIFFICULTY. AN ELECTROSTATIC CHARGE CAN POTENTIALLY BUILD UP WHEN
POURING PELLETS.

=====
Accidental Release Measures
=====

Spill Release Procedures:SWEEP UP TO AVOID SLIPPING HAZARD.

=====
Handling and Storage
=====

Handling and Storage Precautions:STORE IN A COOL DRY PLACE. KEEP
CONTAINERS CLOSED TO PREVENT CONTAMINATION.
Other Precautions:AVOID SLIPPING HAZARD. GROUND EQUIPMENT. READ
BROCHURES ON SAFE HANDLING PROCEDURES.

=====
Exposure Controls/Personal Protection
=====

Respiratory Protection:RESPIRATOR ISN'T NEEDED IF LOCAL VENTILATION IS
ADEQUATE TO MAINTAIN VINYL ACETATE VAPORS <10 PPM.
Ventilation:USE LOCAL EXHAUST OVER PROCESSING EQUIPMENT TO MAINTAIN
VINYL ACETATE CONCENTRATION IN AIR <10 PPM.
Protective Gloves:RECOMMENDED
Eye Protection:RECOMMENDED
Other Protective Equipment:LONG SLEEVE SHIRT
Work Hygienic Practices:GOOD INDUSTRIAL HYGIENE PRACTICES.
Supplemental Safety and Health
THIS MSDS INFORMATION IS FOR ALL TYPES OF ELVAX RESINS EXCEPT: ELVAX
4260, 4310, 4320, 4355, CM555, EP4875-1, & PE3486.

=====
Physical/Chemical Properties
=====

Spec Gravity:0.93-0.97
Solubility in Water:NEGLIGIBLE
Appearance and Odor:TRANSLUCENT TO WHITE PELLETS W/MILD ESTER LIKE
ODOR.
Percent Volatiles by Volume:NEGLIGIBLE

=====
Stability and Reactivity Data
=====

Stability Indicator/Materials to Avoid:YES

<http://hazard.com/msds/f2/cjg/cjgnl.htm>

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STRONG ACIDS & OXIDIZING AGENTS.

Stability Condition to Avoid:TEMPERATURES >446F FOR SHORT RESIDENCE TIMES, TEMPERATURES >464F FOR LONG RESIDENCE TIMES.

Hazardous Decomposition Products:VINYL ACETATE, ACETIC ACID, CO2, WATER, CO, HYDROCARBON OXIDATION PRODUCTS, ORGANIC ACIDS, ALDEHYDES, & ALCOHOLS.

=====
Toxicological Information
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Toxicological Information:ELVAX: EXPOSURE LIMITS: PEL(OSHA):
PARTICULATES NOT OTHERWISE REGULATED 15 MG/M3-8 HR TWA-TOTAL DUST-5
MG/M3-8 HR TWA-RESPIRABLE DUST; VINYL ACETATE: AEL: 10 PPM-8 & 12
HR TWA;TLV: 10 PPM, 35 MG/M3-8 HR TWA, STEL 20 PPM, 70 MG/M3, PEL:
10 PPM, 30 MG/M3-8 HR TWA STEL: 20 PPM, 60 MG/M3

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Ecological Information
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Ecological:AQUATIC TOXICITY: NO DATA BUT TOXICITY IS EXPECTED TO BE LOW
BASED ON NEGLIGIBLE WATER SOLUBILITY OF THE RESIN.

=====
Disposal Considerations
=====

Waste Disposal Methods:PERFERRED OPTIONS FOR DISPOSAL ARE (1) RECYCLING
(2) INCINERATION W/ENERGY RECOVERY (3) LANDFILL. THE HIGH FUEL
VALUE OF THIS PRODUCT MAKES OPTION 2 VERY DESIRABLE FOR MATERIAL
THAT CANNOT BE RECYCLED . TREATMENT, STORAGE, TRANSPORATIONS,
DISPOSAL MUST BE IN ACCORDANCE W/ FEDERAL/STATE/LOCAL REGULATI ONS.

=====
Regulatory Information
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State Regulatory Information:NO SUBSTANCES ON THE STATE HAZARDOUS
SUBSTANCES LIST.

=====
Other Information
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particular situation.