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MSDS# XSR-155 - US

SERICOL, INC.
20 WEST 14TH AVENUE
NORTH KANSAS CITY, MISSOURI 64116
(816) 474-0650

HMIS RATINGS
HEALTH-----2
FLAMMABILITY-----1
REACTIVITY-----0

* MATERIAL SAFETY DATA SHEET *

Complies with USDL Safety and Health Regulations, (29 CFR 1910.1200)

EMERGENCY PHONE NUMBER (816) 587-8178 PREPARER: CRAIG POGGENPOHL DATE OF PREPARATION
REGULATORY COMPLIANCE MGR. REVISED 03/24/04/CP

REVISIONS: SECTION XIII.

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SECTION I--PRODUCT IDENTIFICATION

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PRODUCT CODE : XSR-155
LABEL IDENTITY: STENCIL REMOVER 155
PRODUCT CLASS: SCREEN RECLAMATION CHEMICAL

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SECTION II--HAZARDOUS INGREDIENTS

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COMMON NAME (CAS REGISTRY #)	RECOMMENDED EXPOSURE LIMITS (PPM) 1		VAPOR PRESSURE
	ACGIH TLV-TWA	OSHA PEL	(mm Hg @ 20 C) 1
SODIUM METAPERIODATE (07790-28-5)	NE	NE	NA
SULFURIC ACID2 (7664-93-9)	1 mg/m3 CEIL 3 mg/m3	1 mg/m3	< 1.0

NA - NOT AVAILABLE

NE - NOT ESTABLISHED

UKN - UNKNOWN

1 UNLESS NOTED OTHERWISE, THE UNITS ARE PPM AND mm Hg @ 20 C,
RESPECTIVELY, FOR EXPOSURE LIMITS AND VAPOR PRESSURES.

2 SEE SECTION XIII FOR SARA 313 INFORMATION (APPLIES ONLY TO APPLICATIONS
THAT GENERATE AIRBORNE FORMS OF ANY PARTICLE SIZE).

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SECTION III -- PHYSICAL AND CHEMICAL CHARACTERISTICS

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INITIAL BOILING POINT: 212 DEGREES FAHRENHEIT.
VAPOR DENSITY: UKN.
SOLUBILITY IN WATER: MISCIBLE.
VOC CONTENT OF MATERIAL: NONE
WATER CONTENT: XSR-155: 76% BY WEIGHT.
pH OF CONCENTRATE: APPROX. 1.0.
pH OF DILUTION: APPROX. 4.0.
DENSITY: 9.81 LB/GAL.
EVAPORATION RATE (WATER = 1): 1

APPEARANCE: CLEAR LIQUID, CHARACTERISTIC ODOR.

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SECTION IV -- PHYSICAL HAZARD DATA

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DOT HAZARD CLASS: CORROSIVE

DOT SHIPPING NAME: CORROSIVE LIQUIDS, N.O.S. (SULFURIC ACID), 8, UN1760,

PGII.

CLOSED CUP FLASH POINT: NOT APPLICABLE.

LOWER EXPLOSIVE LIMIT: NO DATA FOUND.

EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CARBON DIOXIDE.

UNUSUAL FIRE OR EXPLOSION HAZARDS: DRIED OUT SOLID IS AN OXIDIZER AND ITS HEAT OF REACTION WITH REDUCING AGENTS OR COMBUSTIBLES MAY CAUSE IGNITION.

SPECIAL FIREFIGHTING PROCEDURES: IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

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SECTION V -- EMERGENCY AND FIRST AID PROCEDURES

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PRIMARY ROUTES OF ENTRY ARE DERMAL.

FOR SWALLOWING: IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN IMMEDIATELY. BE PREPARED TO PROVIDE THE ATTENDING PHYSICIAN WITH A COPY OF THIS DOCUMENT.

FOR SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL PHYSICIAN IF THERE IS ANY PERSISTING IRRITATION.

FOR INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.

FOR EYE CONTACT: FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN.

SPECIAL NOTES TO ATTENDING PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT CONTROL OF THE SYMPTOMS AND THE CLINICAL CONDITIONS.

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SECTION VI -- SIGNS AND SYMPTOMS OF OVEREXPOSURE

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ACUTE EFFECTS:

SWALLOWING: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE GASTROINTESTINAL IRRITATION.

SKIN ABSORPTION: NO DATA FOUND.

INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION.

EYE CONTACT: MAY CAUSE EYE IRRITATION.

MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY OVEREXPOSURE: NO DATA FOUND.

CHRONIC EFFECTS: NO DATA FOUND.

ADDITIONAL KNOWN HEALTH HAZARDS: NO DATA FOUND.

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SECTION VII -- REACTIVITY DATA

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STABILITY: DRIED SOLID MAY EXHIBIT STRONG OXIDIZING CHARACTERISTICS.

INCOMPATIBILITY (MATERIALS TO AVOID): MAY REACT WITH SOME ORGANIC COMPOUNDS OR REDUCING AGENTS, FINELY-DIVIDED ALUMINUM OR MAGNESIUM METAL, HYDRIDES, HALOGENS, STRONG REDUCING AGENTS, AMMONIUM PERCHLORATE.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF SULFUR AT EXTREMELY HIGH TEMPERATURES, IODINE, SODIUM OXIDE, HYDROGEN IODIDE.

CONDITIONS TO AVOID: CONTACT WITH MATERIALS TO BE AVOIDED.

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SECTION VIII -- SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: DIKE AND COVER SPILLS WITH DIRT, VERMICULITE, KITTY-LITTER OR OTHER INERT ABSORBENT. NEUTRALIZE WITH SODA ASH AND MIX. NEUTRALIZED WASTE MAY BE CONTAINERIZED AND DISPOSED IN A RCRA APPROVED WASTE DISPOSAL FACILITY. FLUSH AREA OF SPILL WITH DILUTE SODA ASH SOLUTION AND DISCARD TO SEWER.

NOTIFY PROPER AUTHORITIES IF PUBLIC WATERS OR SEWERS ARE CONTAMINATED WITH LARGE AMOUNTS.

AS WITH ALL PROCESS WASTEWATERS, NOTIFY PROPER AUTHORITIES BEFORE DISCHARGING INTO WATERWAYS OR SEWER SYSTEMS.

NOTE: THESE PRODUCTS IN THE CONCENTRATE SOLUTION ARE "CHARACTERISTIC CORROSIVE HAZARDOUS WASTE" ACCORDING TO THE TERM DEFINED IN 40 CFR, PART 261 -- "IDENTIFICATION AND LISTING OF HAZARDOUS WASTE".

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SECTION IX -- SAFE HANDLING AND USE INFORMATION

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VENTILATION SYSTEM: MECHANICAL EXHAUST IS ADEQUATE UNDER NORMAL CONDITIONS.

RESPIRATOR PROTECTION: NONE REQUIRED.

SKIN PROTECTION: WEAR IMPERVIOUS PROTECTIVE CLOTHING, INCLUDING

BOOTS, GLOVES, LAB COAT, APRON OR COVERALLS TO PREVENT SKIN CONTACT.

EYE PROTECTION: USE CHEMICAL SAFETY GOGGLES AND/OR A FULL FACE SHIELD WHERE SPLASHING IS POSSIBLE. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS MATERIAL. MAINTAIN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA.

HYGIENIC SAFETY PRACTICES: WASH HANDS BEFORE EATING, USING TOBACCO PRODUCTS, OR USING THE WASHROOM. TOBACCO AND FOOD SHOULD BE CONSUMED IN DESIGNATED AREAS ONLY.

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SECTION X -- SPECIAL PROCEDURES

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STORAGE AND HANDLING: STORE IN A COOL, DRY, VENTILATED STORAGE AREA. KEEP CONTAINERS SEALED.

PRECAUTIONARY MEASURES: STORE AWAY FROM FOOD AND CHILDREN.
DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.
DO NOT BREATHE MIST.
KEEP CONTAINER CLOSED.
USE ONLY WITH ADEQUATE VENTILATION.
WASH THOROUGHLY AFTER HANDLING.

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SECTION XI -- DISCLAIMER

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SERICOL, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OR RELIABILITY OF INFORMATION CONTAINED HEREIN, EXCEPT THAT SUCH INFORMATION IS, TO THE BEST OF SERICOL'S KNOWLEDGE AND BELIEF, ACCURATE AS OF THE DATE INDICATED ON THIS DOCUMENT. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

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SECTION XII -- PURCHASERS' OBLIGATIONS

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SERICOL, INC. URGES THE CUSTOMER RECEIVING THIS MATERIAL SAFETY DATA SHEET TO STUDY IT CAREFULLY TO BECOME AWARE OF HAZARDS, IF ANY, OF THE PRODUCTS INVOLVED. IN THE INTEREST OF SAFETY, YOU SHOULD (1) NOTIFY YOUR EMPLOYEES, AGENTS, AND CONTRACTORS OF THE INFORMATION ON THIS SHEET, (2) FURNISH A COPY TO EACH OF YOUR CUSTOMERS FOR THIS PRODUCT, AND (3) REQUEST YOUR CUSTOMERS TO INFORM THEIR EMPLOYEES, CUSTOMERS, AND AGENTS, AS WELL.

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SECTION XIII -- REGULATORY INFORMATION

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TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

THIS PRODUCT CONTAINS A TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE ANNUAL REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

SULFURIC ACID, CAS#7664-93-9, 6.3% MAXIMUM BY WEIGHT.

THIS NOTIFICATION MUST NOT BE DETACHED FROM THE MATERIAL SAFETY DATA SHEET (MSDS) AND ANY COPYING AND REDISTRIBUTION OF THE MSDS SHALL INCLUDE COPYING AND REDISTRIBUTION OF THE NOTICE ATTACHED TO COPIES OF THE MSDS SUBSEQUENTLY REDISTRIBUTED.

STATE OF CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65): THIS PRODUCT CONTAINS SULFURIC ACID. STRONG INORGANIC MISTS CONTAINING SULFURIC ACID ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

BACK

MATERIAL SAFETY DATA SHEET
Uniplast, Inc.

UNI-MELT 3100

DATE PREPARED: NOV. 2, 1999

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: UNI-MELT 3100

CHEMICAL NAME: Hot Melt Adhesive

CHEMICAL FAMILY: - Ethylene Vinyl Acetate - CAS 24937-78-8
- Petroleum Hydrocarbon Resin - CAS 68132-00-3

PRODUCT DESCRIPTION: Hot Melt Glue Sticks, Cartridges, Chips, Bulk.

CONTACT ADDRESS:

UNIPLAST, INC.

616 111th STREET

ARLINGTON, TX 76011

**** EMERGENCY TELEPHONE NUMBERS: ****

UNIPLAST, INC. (800) 444-9051 (8am-5pm ; M-F) or (800) 625-9708 (24 Hours)

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

This product is not hazardous as defined in 29 CFR 1910.1200

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F). Exposure to hot material may cause thermal burns.

SKIN CONTACT: Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F). Exposure to hot material may cause thermal burns and adhesion of the solidified product to the skin.

INHALATION: Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F). Vapors which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

INGESTION: Minimal toxicity.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.

SKIN CONTACT: For hot products, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

INHALATION:

In case of adverse exposure to vapors formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:

First aid is normally not required

SECTION 5 - FIRE-FIGHTING MATERIALS

FIRE FIGHTING:

Use water spray to cool fire exposed surfaces, protect personnel, and extinguish the fire. Respiratory and

eye protection required for fire fighting personnel.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: No unusual.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

LAND SPILL:

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 15 REGULATORY INFORMATION) notify the National Response Center.

Recover spilled material and place in suitable containers for recycle or disposal.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL:

Prevent additional discharge of material, if possible to do so without hazard. Advise authorities if floating material enters a watercourse or sewer. If possible, try to contain floating material. Skim from surface. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 7 - STORAGE AND HANDLING

STORAGE TEMPERATURE, °F: Ambient

LOADING / UNLOADING TEMPERATURE, °F: Ambient

STORAGE / TRANSPORT PRESSURE, mmHg: **LOADING / UNLOADING VISCOSITY, cSt:**
Atmospheric Solid

STORAGE AND HANDLING:

Keep container closed. Handle and open containers with care. Store in cool, well ventilated place away from incompatible materials. Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

PERSONAL PROTECTION

Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.

Where contact is likely with open systems at ambient temperatures (-18 to 38 degrees C, 0 to 100 degrees F), wear safety glasses with side shields.

WORKPLACE EXPOSURE GUIDELINES

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:

5 mg/m³ (respirable dust), and 15 mg/m³ (total dust) based on the OSHA PEL for nuisance dust. The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, Uniplast, Inc. recommends that the lower exposure levels be observed as reasonable worker protection.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:

A TWA of 10 mg/m³ for inhalable particulate (total dust) and a TWA of 3 mg/m³ for respirable particulate (total dust) for Particulates Not Otherwise Classified (PNOC).

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY, at °F: 0.91 - .96

VAPOR PRESSURE, mmHg at °F: Not Applicable

SOLUBILITY IN WATER, wt. % at °F: Insoluble

VISCOSITY OF LIQUID, cSt at 350°F: 6600

SP. GRAV. OF VAPOR, at 1 atm (Air=1): Not Applicable

FREEZING / MELTING POINT, °F: 178°F

EVAPORATION RATE, n-Bu Acetate=1: Not Applicable

BOILING POINT, °F: Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID INSTABILITY: Do not heat more than 350°F.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION: Not applicable.

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION, PRODUCTS: Not applicable.

SECTION 11 - TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

SECTION 12 - ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 - DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6, and 15 for disposal and regulatory information.

SECTION 14 - TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT): Information not available. Please contact Uniplast, Inc. for more information.

SECTION 15 - REGULATORY INFORMATION

TSCA: Ingredients of this product is listed on the TSCA Inventory at CAS Registry #: 24937-78-8, 68132-00-3

CERCLA: If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: Non Hazardous.
This product does not contain Section 313 Reportable Ingredients.

SECTION 16 - OTHER INFORMATION

NOTES:

- Solid product is not DOT regulated.
 - This MSDS is applicable to the following products: Uni-Melt 3100 formulation.
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REFERENCE NUMBER: SUPERSEDES ISSUE DATE: WPUSE-MSDS-3100 March 21, 1999

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