MATERIAL SAFETY DATA SHEET T-2
MANUFACTURER' NAME

OPTI-BLAST P.O. BOX 2079 JACKSONVILLE, TX 75766 (903) 589-0452

CHEMICAL NAME AND SYNONYM: UREA FORMALDEHYDE PLASTIC
CHEMICAL FAMILY: N/A
FORMULA: N/A
TRADE NAME: OPTI-BLAST T-2 USES: PLASTIC BLAST MEDIA

PHYSICAL DATA:
APPEARANCE AND ODOR: DRY GRANULAR SOLID (-10 MESH + 100 MESH)
SOLUBILITY/BEHAVIOR IN WATER: INSOLUBLE
BOILING POINT (F): N/A EVAPORATION RATE N/A SPECIFIC GRAVITY: 1.5 FREEZING/MELTING POINT (F): N/A
VOLUME YOLITILE (%): N/A

HAZARDOUS INGREDIENTS:
HAZARDOUS INGREDIENTS: N/A CAS NO: N/A HAZARD DATA: N/A

FIRE AND EXPLOSION DATA:
FLASH POINT: ASTM D-1929: EST FLASH APPROX. 530C EXPLOSIVE LIMITS: N/A
EXTINGUISHER: FOAM, CARBON DIOXIDE, WATER, DRY CHEMICAL: FIRE FIGHTING EQUIPMENT: FULL PROTECTIVE GEAR

HEALTH HAZARD DATA:
HAZARD BY ROUTES OF ENTRY: INHALATION: AVOID INHALATION. 0. INGESTION: NONE KNOWN
SKIN/EYE CONTACT: IRRITATION OF EYES, NOSE, THROAT AND DERMATITIS ON SKIN
FIRST AID: EYES: FLUSH WITH WATER UNTIL PARTICLES ARE REMOVED;
INTERNAL: CALL PHYSICIAN; INHALATION: REMOVE TO FRESH AIR;
SKIN: WASH WITH SOAP AND WATER UNTIL PARTICLES ARE REMOVED.
CONDITIONS FOR SAFE USE: ALWAYS WEAR NIOSH/OSHA APPROVED RESPIRATOR WHEN HANDLING THIS PRODUCT; EYE GOGGLES ARE RECOMMENDED; WEAR APPROPRIATE PROTECTIVE CLOTHING IF SENSITIVITY TO MECHANICAL IRRITATION CAUSES DISCOMFORT.

REACTIVE DATA:
STABILITY: STABLE. HAZARDOUS DECOMPOSITION PRODUCTS:N/A HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SPILL OR LEAK PROCEDURES:
PROCEDURES: VACUUM-CLEAN TO PICK UP DUST. IF SWEEPING IS REQUIRED, AVOID GENERATING EXCESSIVE DUST; USE DUST SUPPRESSOR IF NECESSARY. WASTE DISPOSAL: MATERIAL IS BIODEGRADABLE. NORMAL LANDFILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SPECIAL PRECAUTIONS:
RESPIRATORY PROTECTION: DO NOT BREATHE DUST. FULL FACE NIOSH/OSHA APPROVED RESPIRATOR DURING APPLICATION.
DUST/MIST RESPIRATOR SHOULD BE WORN WHEN TRANSFERRING MATERIAL TO AND FROM CONTAINERS.
TRANSPOTTATION AND HANDLING:
TRANSPORTATION: NOT REGULATED. STORAGE: STORE INDOORS, MATERIAL HAS AN UNLIMITED SHELF-LIFE IF KEPT DRY.
HANDLING: FOLLOW NORMAL WAREHOUSING PROCEDURES WHEN HANDLING THIS PRODUCT, PREVENT SPILLAGE.

EXPOSURE CONTROLS/PERSONAL PROTECTION
EXPOSURE LIMIT INFORMATION: No 1 Poly ( Methyl Methacrylate )
COMPONENT NO. 1 OSHA --- TWA (NONE) STEL (NONE) ACGIH TWA (NONE) STEL (NONE)
RESPIRATORY PROTECTION: A RESPIRATORY PROTECTION PROGRAM MEETING OSHA 1910.134 AND ANSI Z88.2
REQUIREMENT MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR.
NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE MAINTAINED BELOW THE EXPOSURE LIMIT LISTED IN (EXPOSURE LIMIT INFORMATION) UP TO 10 TIMES THE TWA/TLV: WEAR A MSHA/NIOSH APPROVED OR EQUIVALENT, HALF MASK AIR --- PURIFYING RESPIRATOR. UP TO 1,000 PPM ORGANIC VAPOR: WEAR A MSHA/NIOSH APPROVED OR EQUIVALENT SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE PRESSURE MODE, OR MSHA/NIOSH APPROVED OR EQUIVALENT FULL- FACEPIECE AIRLINE RESPIRATOR IN THE POSITIVE PRESSURE MODE WITH EMERGENCY ESCAPE PROVISIONS.
EYE PROTECTION: WEAR SAFETY GLASSES (ANSI Z87.1) OR APPROVED EQUIVALENT. HAND PROTECTION: COTTON, CANVAS OR LEATHER GLOVES. ENGINEERING CONTROLS: (VENTILATION): USE LOCAL EXHAUST VENTILATION WITH A MINIMUM CAPTURE VELOCITY OF 100FT/MIN (0.5M/SEC) AT THE POINT OF VAPOR EVOLUTION. REFER TO THE CURRENT OF GOVERNMENT INDUSTRIAL HYGIENIST FOR INFORMATION ON THE DESIGN, INSTILLATION, USE AND MAINTENANCE OF EXHAUST SYSTEMS.
MATERIAL SAFETY DATA SHEET T-3
MANUFACTURER'S NAME

OPTI-BLAST P.O. BOX 2079 JACKSONVILLE, TX 75766 (903) 589-0452

CHEMICAL NAME AND SYNONYM: MELAMINE FORMALDEHYDE PLASTIC
CHEMICAL FAMILY: N/A
FORMULA: N/A
TRADE NAME: OPTI-BLAST T-3 USES: PLASTIC BLAST MEDIA

PHYSICAL DATA:
APPEARANCE AND ODOR: DRY GRANULAR SOLID (-10 MESH + 100 MESH)
SOLUBILITY/BEHAVIOR IN WATER: INSOLUBLE
BOILING POINT (°F): N/A EVAPORATION RATE N/A SPECIFIC GRAVITY: 1.5 FREEZING/MELTING POINT (°F): N/A
VOLUME VOLITILE (%): N/A

HAZARDOUS INGREDIENTS:
HAZARDOUS INGREDIENTS: N/A CAS NO: N/A HAZARD DATA: N/A

FIRE AND EXPLOSION DATA:
FLASH POINT: ASTM D-1929: EST FLASH APPROX. 530C EXPLOSIVE LIMITS: N/A
EXTINGUISHER: FOAM, CARBON DIOXIDE, WATER, DRY CHEMICAL: FIRE FIGHTING EQUIPMENT: FULL PROTECTIVE GEAR

HEALTH HAZARD DATA:
HAZARD BY ROUTES OF ENTRY: INHALATION: AVOID INHALATION. O. INGESTION: NONE KNOWN
SKIN/EYE CONTACT: IRRITATION OF EYES, NOSE, THROAT AND DERMATITIS ON SKIN.
FIRST AID: EYES: FLUSH WITH WATER UNTIL PARTICLES ARE REMOVED;
INTERNAL: CALL PHYSICIAN; INHALATION: REMOVE TO FRESH AIR;
SKIN: WASH WITH SOAP AND WATER UNTIL PARTICLES ARE REMOVED.
CONDITIONS FOR SAFE USE: ALWAYS WEAR NIOSH/OSHA APPROVED RESPIRATOR WHEN HANDLING THIS PRODUCT, EYE GOGGLES ARE RECOMMENDED; WEAR APPROPRIATE PROTECTIVE CLOTHING IF SENSITIVITY TO MECHANICAL IRRITATION CAUSES DISCOMFORT.

REACTIVE DATA:
STABILITY: STABLE. HAZARDOUS DECOMPOSITION PRODUCTS:N/A HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SPILL OR LEAK PROCEDURES:
PROCEDURES: VACUUM-CLEAN TO PICK UP DUST. IF SWEEPING IS REQUIRED, AVOID GENERATING EXCESSIVE DUST; USE DUST SUPPRESSOR IF NECESSARY. WASTE DISPOSAL: MATERIAL IS BIODEGRADABLE. NORMAL LANDFILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SPECIAL PRECAUTIONS:
RESPIRATORY PROTECTION: DO NOT BREATHE DUST. FULL FACE NIOSH/OSHA APPROVED RESPIRATOR DURING APPLICATION. DUST/MIST RESPIRATOR SHOULD BE WORN WHEN TRANSFERRING MATERIAL TO AND FROM CONTAINERS.
TRANSPOTATION AND HANDLING:
TRANSPORTATION: NOT REGULATED. STORAGE: STORE INDOORS, MATERIAL HAS AN UNLIMITED SHELF-LIFE IF KEPT DRY.
HANDLING: FOLLOW NORMAL WAREHOUSING PROCEDURES WHEN HANDLING THIS PRODUCT, PREVENT SPILLAGE.

EXPOSURE CONTROLS/PERSONAL PROTECTION
EXPOSURE LIMIT INFORMATION: No 1 Poly (Methyl Methacrylate)
COMPONENT NO. 1 OSHA --- TWA (NONE) STEL (NONE) ACGIH TWA (NONE) STEL (NONE)
RESPIRATORY PROTECTION: A RESPIRATORY PROTECTION PROGRAM MEETING OSHA 1910.134 AND ANSI Z88.2
REQUIREMENT MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR.
NONE REQUIRED IF AIRBORNE CONCENTRATIONS ARE MAINTAINED BELOW THE EXPOSURE LIMIT LISTED IN (EXPOSURE LIMIT
INFORMATION) UP TO 10 TIMES THE TWA/TLV. WEAR A MSHA/NIOSH APPROVED OR EQUIVALENT, HALF MASK AIR ---
PURIFYING RESPIRATOR. UP TO 1,000 PPM ORGANIC VAPOR: WEAR A MSHA/NIOSH APPROVED OR EQUIVALENT SELF-
CONTAINED BREATHING APPARATUS IN THE POSITIVE PRESSURE MODE, OR MSHA/NIOSH APPROVED OR EQUIVALENT FULL-
FACEPIECE AIRLINE RESPIRATOR IN THE POSITIVE PRESSURE MODE WITH EMERGENCY ESCAPE PROVISIONS.
EYE PROTECTION: WEAR SAFETY GLASSES (ANSI Z87.1) OR APPROVED EQUIVALENT. HAND PROTECTION: COTTON, CANVAS OR
LEATHER GLOVES. ENGINEERING CONTROLS. (VENTILATION): USE LOCAL EXHAUST VENTILATION WITH A MINIMUM CAPTURE
VELOCITY OF 100FT/ MIN (0.5M/SEC) AT THE POINT OF VAPOR EVOLUTION. REFER TO THE CURRENT OF GOVERNMENT
INDUSTRIAL HYGIENIST FOR INFORMATION ON THE DESIGN, INSTILLATION, USE AND MAINTENANCE OF EXHAUST SYSTEMS.
MATERIAL SAFETY DATA SHEET T-5
MANUFACTURER'S NAME

OPTI-BLAST P.O. BOX 2079 JACKSONVILLE, TX 75766 (903) 589-0452

CHEMICAL NAME AND SYNONYM: POLY (METHACRYLATE) CAS Reg No. 80-62-6
CHEMICAL FAMILY: ACRYLIC POLYMER
FORMULA: N/A
TRADE NAME: OPTI-BLAST T-5  USES: PLASTIC BLAST MEDIA

PHYSICAL DATA:
APPEARANCE AND ODOR: DRY GRANULAR, CLEAR TO VARIOUS OPAQUE COLORS MILD ODOR, NON-TOXIC
SOLUBILITY/BEHAVIOR IN WATER: INSOLUBLE-NO REACTION WITH WATER
BOILING POINT (F): N/A  EVAPORATION RATE O SPECIFIC GRAVITY: 1.1.5-1.19  FREEZING/MELTING POINT (F): 132°F/270°F
VOLUME VOLATILE (%): 0, VAPOR DENSITY (AIR=1): 0, VAPOR PRESSURE (mm Hg): 0

HAZARDOUS INGREDIENTS:
HAZARDOUS INGREDIENTS: N/A  CAS NO: N/A  HAZARD DATA: N/A

FIRE AND EXPLOSION DATA:
FLASH POINT: N/A  AUTO-IGNITION TEMPERATURE: 393°C/739°F EXPOSITIVE LIMITS: N/A
EXTINGUISHER: WATER, DRY CHEMICAL OR CARBON DIOXIDE: FIRE FIGHTING EQUIPMENT: FULL PROTECTIVE GEAR
UNUSUAL HAZARDS: MATERIAL SOLD IS COMBUSTIBLE; BURNS VIGOROUSLY WITH INTENSE HEAT
PERSONAL PROTECTIVE EQUIPMENT: SELF CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, MSHA/NIOSH APPROVED

HEALTH HAZARD DATA:
HAZARD BY ROUTES OF ENTRY: INHALATION: AVOID INHALATION; CAN CAUSE IRRITATION OF NOSE, THROAT, LUNGS
DIZZINESS, HEADACHE AND NAUSEA.  INGESTION: NONE KNOWN
SKIN/EYE CONTACT: IRRITATION OF EYES, NOSE, THROAT AND DERMATITIS ON SKIN.
FIRST AID: EYES: FLUSH WITH WATER UNTIL PARTICLES ARE REMOVED AT LEAST 15 MINUTES
INTERNAL: CALL PHYSICIAN; INHALATION: REMOVE TO FRESH AIR;
SKIN: WASH WITH SOAP AND WATER UNTIL PARTICLES ARE REMOVED.
CONDITIONS FOR SAFE USE: ALWAYS WEAR NIOSH/OSHA APPROVED RESPIRATOR WHEN HANDLING THIS PRODUCT; EYE
GOGGLES ARE RECOMMENDED.

REACTIVE DATA:
STABILITY: STABLE. HAZARDOUS DECOMPOSITION MAY YEILD ACRYLIC MONOMERS, AVOID TEMPERATURES ABOVE
260°C/500°F. PRODUCT WILL NOT UNDERGO POLYMERIZATION. INCOMPATIBILITY: AVOID CONTACT WITH ACIDS, ALKALIES,
AND STRONG OXIDIZING AGENTS.

SPILL OR LEAK PROCEDURES:
PROCEDURES: WEAR GLOVES COTTON, CANVAS OR LEATHER. USE SAFETY GLASSES (ANSI Z87.1 OR EQUIVALENT) WASTE
DISPOSAL: MATERIAL SHOULD BE RETURNED TO SUITABLE CONTAINERS FOR RECOVERY AND DISPOSAL.
SPECIAL PRECAUTIONS:
When handling and storing, this material is not hazardous under normal conditions. However, all material of this type releases some monomer vapors or gases when stored for prolonged periods at elevated temperatures. Avoid temperature extremes during storage; ambient temperature preferred.

EXPOSURE CONTROLS/PERSONAL PROTECTION
Exposure limit information: No 1 Poly (Methyl Methacrylate)
Component No. 1 OSHA --- TWA (NONE) STEL (NONE) ACGIH TWA (NONE) STEL (NONE)
Respiratory protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2
Requirement must be followed whenever workplace conditions warrant a respirator.
None required if airborne concentrations are maintained below the exposure limit listed in (exposure limit information) up to 10 times the TWA/TLV: Wear a MSHA/NIOSH approved or equivalent, half mask air or purifying respirator. Up to 1,000 PPM organic vapor: Wear a MSHA/NIOSH approved or equivalent self-contained breathing apparatus in the positive pressure mode, or MSHA/NIOSH approved or equivalent full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.
Eye protection: Wear safety glasses (ANSI Z87.1) or approved equivalent. Hand protection: Cotton, canvas or leather gloves. Engineering controls: (ventilation): Use local exhaust ventilation with a minimum capture velocity of 100FT/Min (0.5M/Sec) at the point of vapor evolution. Refer to the current of Government industrial hygienist for information on the design, installation, use and maintenance of exhaust systems.