

# DELTA CHEMICAL CO.

P. O. BOX 884

Smithtown, N. Y. 11787

(800) 473-3796

[www.deltachemicals.com](http://www.deltachemicals.com)

# MATERIAL SAFETY DATA SHEET

LIQUID

TUFFCRETE 10-44 LIQUID - TUFFLEX 10-55 LIQUID #10-44 POLYESTER PATCH LIQUID - #10 -44LT POLYESTER PATCH LOW TEMP LIQUID - #10-55 POLYESTER LIQUID - #20-00 POLYESTER NON-SLIP LIQUID- #10-66RP POLYESTER ASPHALT

## SECTION II: HAZARDOUS INGREDIENTS:

INGREDIENT	NTP/IARC OSHA CARC.	PERCENT	TLV PPM	mg/M3	LEL	VAPOR PRESSURE
Styrene monomer CAS # 100425	NO	< 50	100	- (OSHA)	1.1	5 mm/Hg
N,N-Dimethylaniline CAS #121697	NO	.02	5 (SKIN)	-	NA	1mm/Hg

## SECTION III: PHYSICAL DATA

BOILING RANGE	295-300 degrees F	VAPOR DENSITY	HEAVIER THAN AIR		
EVAPORATION RATE	SLOWER THAN ETHER	PERCENT VOLATILE BY VOLUME	<50	WEIGHT PER GALLON	9.3LBS.

## SECTION IV: FIRE AND EXPLOSION DATA:

DOT CATERGORY: FLAMMABLE FLASH POINT: 96 degrees F LEL: 1.0%

EXTINGUISHING MEDIA: REGULAR FOAM, CARBON DIOXIDE OR DRY CHEMICAL.

SPECIAL FIREFIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

UNUSUAL FIRE & EXPLOSION : VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS - CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

ALL-KRETE POLY PATCH STAR FLEX 105

L: Reed

**SECTION V: HEALTH HAZARD DATA  
EFFECTS OF OVEREXPOSURE**

**EYES**  
CAN CAUSE SEVERE IRRITATION, REDNESS  
TEARING, BLURRED VISION.

**SKIN**  
CAN CAUSE MODERATE IRRITATION,  
DEFATTING, DERMATITIS.  
REUSE.

**INHALATION**  
CAN CAUSE NAUSEA AND HEADACHE,  
POSSIBLE UNCONSCIOUSNESS, AND EVEN  
ASPHYXIATION.

**INGESTION**  
CAN CAUSE GASTROINTESTINAL IRRITATION  
NAUSEA, VOMITING AND DIARRHEA.  
ASPIRATION OF MATERIAL INTO THE LUNGS  
CAN CAUSE CHEMICAL PNEUMOCONIOSIS  
WHICH CAN BE FATAL.

**FIRST AID**

FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING  
UPPER AND LOWER LIDS OCCASIONALLY, GET  
MEDICAL ATTENTION.  
THOROUGHLY WASH EXPOSED AREA WITH SOAP AND  
WATER. REMOVE CONTAMINATED CLOTHING.  
LAUNDRY CONTAMINATED CLOTHING BEFORE

REMOVE INDIVIDUAL TO FRESH AIR. IF  
BREATHING IS DIFFICULT, ADMINISTER OXYGEN.  
IF BREATHING HAS STOPPED, GIVE ARTIFICIAL  
RESPIRATION. KEEP PERSON WARM, QUIET AND  
GET MEDICAL ATTENTION.

DO NOT INDUCE VOMITING, KEEP PERSON WARM,  
QUIET, AND GET MEDICAL ATTENTION. ASPIRATION  
OF MATERIALS INTO THE LUNGS DUE TO VOMITING  
CAN CAUSE CHEMICAL PNEUMOCONIOSIS WHICH  
CAN BE FATAL.

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**SECTION VI: REACTIVITY DATA**

**HAZARDOUS POLYMERIZATION: CANNOT OCCUR.**

**STABILITY: STABLE**

**INCOMPATIBILITY: AVOID CONTACT WITH STRONG OXIDIZING AGENTS (e.g. NITRIC ACID,  
PERMANGANATES, ETC.**

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**SECTION VII: SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED.**

**SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT  
MATERIAL AND TRANSFER TO VENTILATED CLOSURE.**

**LARGE SPILL: ELIMINATE ALL IGNITION SOURCES, (FLARES, FLAMES INCLUDING PILOT LIGHTS,  
ELECTRICAL SPARKS, ETC.) PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED  
FROM AREA OF SPILL. STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP  
LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR  
ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.**

**WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.**

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**SECTION VIII: SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION: IF TLV OF THE PRODUCT IS EXCEEDED, A NIOSH/MESA JOINTLY  
APPROVED SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN  
PRESSURE DEMAND OF OTHER POSITIVE NIOSH/MESA RESPIRATORS UNDER SPECIFIED CONDITIONS.  
(SEE SAFETY EQUIPMENT SUPPLIER.)**

**VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST  
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S.**

**PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS BUNA-N.**

**EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE  
ADVISED, HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (SEE YOUR  
SAFETY EQUIPMENT SUPPLIER.)**

**OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OF PROLONGED SKIN CONTACT  
IMPERVIOUS CLOTHING AND BOOTS.**

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**SECTION IX: SPECIAL PRECAUTIONS**

**CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS  
RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN  
THIS DATA SHEET MUST BE OBSERVED. KEEP OUT OF REACH OF CHILDREN. THE INFORMATION  
ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER  
WITH DELTA CHEMICAL CO OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM ADVANCE OF NEED THAT  
THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.**

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(860) 655-0226

[www.deltachemicals.com](http://www.deltachemicals.com)**MATERIAL SAFETY  
DATA SHEET****POWDER**

PERMACRETE 10-44 POWDER MIX #1044, POLYESTER POWDER MIX #10-44LT,  
POLYESTER LOW TEMP POWDER MIX, #20-00 POLYESTER NON SLIP POWDER.

**SECTION II: HAZARDOUS INGREDIENTS**

INGREDIENT	NTP/LARC/ OSHA CARC.	PERCENT	TLV		3 LEL	VAPOR PRESSURE
			PPM	mg/M		
BENZOYL PEROXIDE CAS #94360	NO	1.2	—	5	NA	NA
SILICA, CRYSTALLINE- QUARTZ CAS # 1480607	YES (PULMONARY DUST)	98.8	—	10	NA	NA

**SECTION III: PHYSICAL DATA**

BOILING RANGE	NA	VAPOR DENSITY	HEAVIER	LIGHTER, THAN AIR		
EVAPORATION RATE	FASTER	SLOWER, THAN ETHER	PERCENT VOLATILE BY VOLUME	0	WEIGHT PER GALLON	NA

**SECTION IV: FIRE AND EXPLOSION DATA**

DOT CATEGORY NA FLASH POINT: NA LEL: NA

EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM OR CARBON DIOXIDE AND WATER.

**SPECIAL FIRE FIGHTING PROCEDURES:** FOR LARGE FIRES, EVACUATE THE AREA AND SUPPLY WATER

FROM A SAFE DISTANCE TO COOL DOWN THE SURROUNDING AREA. IF FIRE OCCURS NEAR THE POWDER, SPRAY WATER ON THE CONTAINERS TO AVOID OVERHEATING. AVOID CREATING ANY FURTHER DUST THAT COULD CAUSE ADDITIONAL HAZARDS.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** SINCE THE AMOUNT OF BENZOYL PEROXIDE IS EXTREMELY SMALL, THE HAZARD POTENTIAL IS GREATLY REDUCED. HOWEVER. CAUTION AND KNOWLEDGE OF HANDLING AND STORAGE IS STILL REQUIRED SINCE FIRE AND EXPLOSIVE POSSIBILITIES ARE NOT ELIMINATED. BENZOYL PEROXIDE IN ITS PURE STATE IS A HIGHLY HAZARDOUS MATERIAL. IN ADDITION TO IGNITION BY HEAT AND FLAME, BENZOYL PEROXIDE CAN ALSO BE IGNITED BY CONTAMINATION WITH STRONG OXIDIZING OR REDUCING AGENTS. DUST EXPLOSION PRECAUTIONS ARE REQUIRED TO AVOID EXPLOSIONS BY IGNITION.

**HAZARDOUS DECOMPOSITION PRODUCTS:** MAY GENERATE TOXIC FLAMMABLE FUMES (biphenyl), CONFINEMENT AND IGNITION OF THESE FUMES CONSTITUTES AN EXPLOSIVE HAZARD.

**ALL - KRETE POLY PATCH  
STAR FLEX 105**

# POLY PATCH

## SECTION V: HEALTH HAZARD DATA

### EFFECTS OF OVEREXPOSURE

#### EYES

CAN CAUSE IRRITATION, REDNESS  
TEARING, BLURRED VISION.

#### SKIN

CAN CAUSE SLIGHT IRRITATION.

#### INHALATION

CAN CAUSE INJURY TO LUNGS BY  
REPEATED PROLONGED INHALATION.

#### INGESTION

CAN CAUSE GASTROINTESTINAL IRRITATION  
AND NAUSEA.

### FIRST AID

FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING  
UPPER AND LOWER LIDS OCCASIONALLY, GET  
MEDICAL ATTENTION.

THOROUGHLY WASH EXPOSED AREA WITH SOAP AND  
WATER. REMOVE CONTAMINATED CLOTHING.  
LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

KEEP PERSON WARM, QUIET AND GET MEDICAL  
ATTENTION.

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## SECTION VI: REACTIVITY DATA

HAZARD POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE AT ORDINARY HANDLING AND STORAGE TEMPERATURES. STORAGE BELOW 90  
DEGREES FARENHEIT RECOMMENDED.

INCOMPATIBILITY: AVOID CONTACT WITH COMBUSTIBLE MATERIALS, ACCELERATORS, STRONG  
OXIDIZING AGENTS OR REDUCING AGENTS.

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## SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: USING A NON-SPARKING SHOVEL, DEPOSIT POWDER IN SMALL SHALLOW PILES ON  
SEVERAL SHEET OF NEWSPAPER AND DISPOSE OF.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.

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## SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: IF TLV OF THE PRODUCT IS EXCEEDED, A NIOSH/MESA JOINTLY  
APPROVED SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN  
PRESSURE DEMAND OR OTHER POSITIVE NIOSH/MESA RESPIRATORS UNDER SPECIFIED CONDITIONS.  
(SEE YOUR SAFETY EQUIPMENT SUPPLIER).

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION  
TO MAINTAIN EXPOSURE BELOW TLV'S

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS BUNA-N.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE  
ADVISED, HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (SEE YOUR  
SAFETY EQUIPMENT SUPPLIER).

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT WEAR  
IMPERVIOUS CLOTHING AND BOOTS.

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## SECTION IX: SPECIAL PRECAUTIONS

THIS MATERIAL MUST BE STORED IN THE ORIGINAL PACKAGE AWAY FROM OTHER COMBUSTIBLES OR  
MATERIALS WHICH COULD INDUCE DECOMPOSITION. KEEP OUT OF REACH OF CHILDREN.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED  
TO BE WHETHER ORIGINATING WITH DELTA CHEMICALS OR NOT. RECIPIENTS ARE ADVISED TO  
CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE  
TO THEIR CIRCUMSTANCES.

**ALL-KRETE POLY PATCH STAR FLEX 105**