

**MISSION  
PHARMACAL  
COMPANY**



**MATERIAL  
SAFETY DATA  
SHEET**

COMPANY INFORMATION

Mission Pharmacal Company  
38505 IH 10 West  
Boerne, Texas 78006

FOR EMERGENCY HEALTH AND SAFETY INFORMATION, CALL 830-249-9822

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IDENTIFICATION AND USE

TRADE NAME: S.T.A. (8 oz.)

USE: TAPE ADHERENT

<u>COMPOSITION COMPONENTS</u>	<u>WEIGHT % (w/w)</u>	<u>CAS NUMBER</u>
ETHYL ALCOHOL	76.0	64-17-5
GUM ROSIN	24.0	8050-09-7
LIQUID PROPANE	<u>20.0</u>	74-98-6
TOTAL	120.0%	

<u>HAZARDOUS INGREDIENTS</u>	<u>EXPOSURE LIMITS (PPM)</u>
ETHYL ALCOHOL	264


PHYSICAL DATA

DESCRIPTION: TRANSPARENT, YELLOWISH, MODERATELY VOLATILE LIQUID, HAVING A FRAGRANT, SLIGHTLY FRUITY ODOR AND BURNING TASTE.

SPECIFIC GRAVITY: 0.867 g/mL AT 25°C

BOILING POINT: N/A

MELTING POINT: N/A

<b>MISSION PHARMACAL COMPANY</b>		<b>MATERIAL SAFETY DATA SHEET</b>
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SOLUBILITY IN WATER: N/A  
FIRST AID MEASURES

IF INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER EYELIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

IF SWALLOWED: IF CONSCIOUS: IMMEDIATELY INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND STICKING A FINGER DOWN THE THROAT. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. KEEP THE VICTIM'S HEAD BELOW HIS HIPS WHILE VOMITING SO HE DOES NOT BREATHE THE VOMITUS INTO HIS LUNGS.

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HEALTH HAZARD INFORMATION

PRIMARY ROUTES OF EXPOSURE: SKIN OR EYE CONTACT, INHALATION, SWALLOWED.

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION: VAPORS AND MISTS IRRITATE THE NOSE AND THROAT. INHALATION OF HIGHER CONCENTRATIONS MAY CAUSE HEADACHES, VOMITING AND COMA. INHALATION OF VERY HIGH CONCENTRATIONS OR PROLONGED EXPOSURE MAY CAUSE UNCONSCIOUSNESS OR DEATH.

EYE CONTACT: VAPORS WILL IRRITATE THE EYES. LIQUID AND MISTS CAN SEVERELY IRRITATE OR DAMAGE THE EYES AND CAUSE CORNEAL BURNS.

SKIN CONTACT: BRIEF CONTACT MAY DRY THE SKIN OR CAUSE BURNING OR STINGING SENSATION. PROLONGED OR REPEATED CONTACT MAY IRRITATE THE SKIN.

SWALLOWED: SWALLOWING LARGE QUANTITIES CAUSES HEADACHES, NAUSEA, VOMITING, STOMACH CRAMPS AND DIARRHEA, AND PERHAPS UNCONSCIOUSNESS, OR DEATH.

CHRONIC EFFECTS OF EXPOSURE: PROLONGED OR REPEATED EXPOSURE TO HIGH CONCENTRATIONS CAN PRODUCE SEVERE OR FATAL CNS DEPRESSION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

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TOXICITY DATA

ORAL: RAT LD50 - 4420 MG/KG

HUMAN LETHAL DOSE: 330 ML/Kg BODY MASS

DERMAL: RABBIT LD50 - 17 GM/KG

INHALATION: RAT LC50 - 21,136 PPM/8 HR.

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PERSONAL PROTECTION

RESPIRATORY PROTECTION: UNDER PROLONGED USE CONDITIONS WEAR A NIOSH-APPROVED RESPIRATOR.

EYE PROTECTION: FOR PROLONGED USE, WEAR CHEMICAL GOGGLES.

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FIRE AND EXPLOSION INFORMATION

FLASH POINT: NO INFORMATION AVAILABLE

EXTINGUISHING MEDIA: WATER SPRAY, DRY CHEMICAL, CO2

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES EXPOSED TO FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTINGUISH ALL NEARBY SOURCES OF IGNITION BECAUSE VAPORS MAY BE MOVED BY AIR CURRENTS TO IGNITION SOURCES DISTANT FROM THE HANDLING POINT.

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HAZARDS REACTIVITY

STABILITY: STABLE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HEAT, SPARKS AND OPEN FLAMES

MATERIAL TO AVOID: STRONG OXIDIZERS, ALUMINUM, ACETALDEHYDE, CHLORINE, ETHYLENE OXIDE, HYDROGEN-PALLADIUM COMBINATION, H2O2-H2 HYPOCHLOROUS ACID, ISOCYANATES, NITROFORM, PHOSGENE, OLEUM, POTASSIUM T-BUTOXIDE, ACIDS, ALKALIS, AMINES, HALOGENS, ANHYDRIDES AND ALDEHYDES.

HAZARDS DECOMPOSITION PRODUCTS: MAY LIBERATE CARBON MONOXIDE OR CARBON DIOXIDE.

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SPILL, LEAK AND DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS OR LEAKS: WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS, RUBBER GLOVES, RUBBER APRON AND A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE OR A SUPPLIED-AIR RESPIRATOR. IF THE SPILL OR LEAK IS SMALL, A FULL FACE-PIECE AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS MAY BE SATISFACTORY. IN ANY EVENT, ALWAYS WEAR EYE PROTECTION. EXTINGUISH ALL IGNITION SOURCES AND ENSURE THAT ALL HANDLING EQUIPMENT IS ELECTRICALLY GROUNDED. FOR SMALL SPILLS OR DRIPS, MOP OR WIPE UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. FOR LARGE SPILLS, CONTAIN BY DIKING WITH SOIL OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIALS AND THEN PUMP INTO DOT-APPROVED WASTE CONTAINERS; OR ABSORB WITH NON-COMBUSTIBLE ABSORBENT MATERIAL, PLACE RESIDUE IN DOT-APPROVED WASTE CONTAINERS, KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS AND SOIL. COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS ON SPILL REPORTING AND HANDLING AND DISPOSAL OF WASTE.

DISPOSAL METHODS: DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES, CASES AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

SPECIAL PRECAUTIONS:

HANDLING AND STORAGE PRECAUTIONS: KEEP AWAY FROM HEAT, SPARKS AND FLAMES, STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS, VENT CONTAINER FREQUENTLY, AND MORE OFTEN IN WARM WEATHER, TO RELIEVE PRESSURE. ELECTRICALLY GROUND ALL EQUIPMENT WHEN HANDLING THIS PRODUCT AND USE ONLY NON-SPARKING TOOLS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT USE PRESSURE TO EMPTY CONTAINER. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES OR ON CLOTHING.