

CA

MATERIAL SAFETY DATA SHEET FOR TT-E-529 BRONZETONE  
 HALLMAN PAINTS CO. (608) 837-4538  
 P. O. BOX 28 PREPARED BY D. LINDSAY  
 WISCONSIN PRAIRIE, WI 53950 04-22-1991

SECTION 1 - CHEMICAL IDENTITY OF TT-E-529 BRONZETONE  
 CHEMICAL NAME: MIXTURE CHEMICAL FAMILY: N/A FORMULA: N/A

SECTION 2 - HAZARDOUS INGREDIENTS

MINERAL SPIRITS		CAS NO. 64742-88-7	
OSHA P E L: 500 PPM	ACGIH T L V: UNKNOWN		
OTHER LIMIT: 130 SKIN			
CARBON BLACK		CAS NO. 1333-86-4	
OSHA P E L: 3.5 Mg /M3	ACGIH T L V: 3.5 MG/M3		
SILICON DIOXIDE (AMORPH.)		CAS NO. 7631-86-9	
OSHA P E L: 20 MPPCF	ACGIH T L V: SEE BELOW		
BARYTES		CAS NO. 7727-43-7	20.1%
OSHA P E L: SEE BELOW	ACGIH T L V: SEE BELOW		

NONE OF THE INGREDIENTS IN TT-E-529 BRONZETONE IS LISTED AS A POTENTIAL CARCINOGEN BY THE NTP, IARC, OR OSHA

THE FOLLOWING INGREDIENTS ARE SUBJECT TO SARA 313 REPORTING REQUIREMENTS:  
 BARYTES

SANDING THE CURED PRODUCT MAY PRODUCE NUISANCE DUST. OBSERVE A TLV OF 10 mg/m3 FOR TOTAL DUST CONTAINING NO ASBESTOS AND < 1% SILICA. OBSERVE A TLV OF 5 mg/m3 FOR RESPIRABLE DUST.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)

BOILING POINT	SPECIFIC GRAVITY	VAPOR PRESSURE (MM HG)	PERCENT VOLATILE BY VOLUME	VAPOR DENSITY (AIR = 1)
300	1.1675	9.00	49.15 %	4.90

EVAPORATION RATE	SOLUBILITY IN WATER	REACTIVITY IN WATER
< ETHER	NO	NO

APPEARANCE AND ODOR: LIQUID COATING WITH MILD ODOR

FLASH POINT	FLAMMABLE LIMITS IN AIR (% BY VOLUME)	AUTO-IGNITION TEMPERATURE
102 SETA	.9 - 6	N/A

EXTINGUISHER MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM, ALCOHOL FOAM.  
 SPECIAL FIRE FIGHTING PROCEDURES:

A WATER SPRAY MAY COOL CONTAINERS. A STREAM OF WATER MAY SPREAD FLAMES. WEAR A BREATHING APPARATUS AND GOGGLES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

COMBUSTIBLE OR EXPLOSIVE MIXTURES MAY FORM IN AIR. CLOSED CONTAINERS MAY BURST WHEN EXPOSED TO EXTREME HEAT.

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## SECTION 4 - HEALTH HAZARDS

EXPECTED ROUTES OF ENTRY: INHALATION AND SKIN CONTACT

## SYMPTOMS OF ACUTE OVEREXPOSURE

ACUTE OVEREXPOSURE TO CERTAIN CHEMICALS IN THIS PRODUCT

MAY IRRITATE THE FOLLOWING:

RESPIRATORY TRACT (NOSE, THROAT, LUNGS), EYES /CORNEA, SKIN

ACUTE OVEREXPOSURE TO CERTAIN CHEMICALS IN THIS PRODUCT

MAY DAMAGE THE FOLLOWING:

N/A

ACUTE OVEREXPOSURE TO CERTAIN CHEMICALS IN THIS PRODUCT

MAY PRODUCE THE FOLLOWING CONDITIONS:

HEADACHE

CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE

STEPS: DIZZINESS, CONFUSION, UNCONSCIOUSNESS, AND COMA

NAUSEA

## SYMPTOMS OF CHRONIC OVEREXPOSURE

CHRONIC OVEREXPOSURE TO CERTAIN CHEMICALS IN THIS PRODUCT

MAY IRRITATE THE FOLLOWING:

EYES /CORNEA, SKIN

CHRONIC OVEREXPOSURE TO CERTAIN CHEMICALS IN THIS PRODUCT

MAY DAMAGE THE FOLLOWING:

BRAIN, CENTRAL NERVOUS SYSTEM

CHRONIC OVEREXPOSURE TO CERTAIN CHEMICALS IN THIS PRODUCT

MAY PRODUCE THE FOLLOWING CONDITIONS:

HEADACHE, NAUSEA

CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE

STEPS: DIZZINESS, CONFUSION, UNCONSCIOUSNESS, AND COMA

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE

RESPIRATORY DISORDERS

SKIN DISORDERS

FOR CHEMICALS LISTED AS CARCINOGENS OR POTENTIAL CARCINOGENS, REFER TO SECTION 2. FOR EXPOSURE LIMITS, REFER TO SECTION 2.

## EMERGENCY FIRST AID PROCEDURES

## FIRST AID FOR INHALATION

REMOVE PERSON TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. SEE A PHYSICIAN.

## FIRST AID FOR EYES

FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN IF IRRITATION PERSISTS.

## FIRST AID FOR SKIN

WASH WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE. SEE A PHYSICIAN IF IRRITATION PERSISTS.

## FIRST AID FOR INGESTION

IF THE PERSON IS CONSCIOUS, GIVE TWO CUPS OF WATER. DO NOT INDUCE VOMITING. SEE A PHYSICIAN.

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## SECTION 5 - PHYSICAL HAZARDS

STABLE? Y/N YES

STABILITY CONDITIONS TO AVOID:

N/A

INCOMPATIBILITY MATERIALS TO AVOID:

AVOID PEROXIDES AND STRONG OXIDIZING AGENTS.

AVOID STRONG ALKALIES.

AVOID STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS:

HEAT MAY PRODUCE CARBON DIOXIDE AND CARBON MONOXIDE, OXIDES OF NITROGEN, AND OTHER PRODUCTS OF COMBUSTION.

HAZARDOUS POLYMERIZATION MAY / WILL NOT OCCUR: NO

POLYMERIZATION CONDITIONS TO AVOID:

N/A

## SECTION 6 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE):

CHEMICAL VAPOR MASK

VENTILATION:	LOCAL	MECHANICAL
	EXHAUST	(GENERAL)
	NO	ADEQUATE

SPECIAL VENTILATION: N/A

OTHER VENTILATION: N/A

PROTECTIVE GLOVES: IMPERVIOUS GLOVES

EYE PROTECTION: CHEMICAL SPLASH GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

EYE WASH

E PROTECTIVE CREAM WHERE SKIN CONTACT IS LIKELY

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS FOR HANDLING AND STORAGE:

AVOID PROLONGED CONTACT WITH LIQUID AND/OR VAPOR.

KEEP CONTAINER CLOSED. DO NOT STORE OR USE NEAR HEAT, SPARKS, OR FLAME. KEEP IN A COOL DRY PLACE. GROUND ALL CONTAINERS WHEN TRANSFERRING LIQUID. USE NONSPARKING TOOLS.

OTHER PRECAUTIONS:

NEVER TAKE INTERNALLY. WASH THOROUGHLY AFTER HANDLING.

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

DIKE SPILL TO MINIMIZE CONTAMINATION. ABSORB WITH INERT MATERIAL. COLLECT IN CONTAINERS. KEEP SPILL OUT OF WATERWAYS.

WASTE DISPOSAL METHODS:

DISPOSE OF ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS. HMIS CODES:

HEALTH: 2\* FLAMMABILITY: 2 REACTIVITY: 1

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