



## SDS | Clutch

### 1. IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIER

PRODUCT NAME: PLAE CLUTCH

#### 1.2 OTHER MEANS OF IDENTIFICATION

OTHER INFORMATION: NOT APPLICABLE

#### 1.3 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

RECOMMENDED: USE ADHESIVE

RESTRICTIONS ON USE: NO INFORMATION AVAILABLE

#### 1.4 DETAILS OF THE SUPPLIER

ADDRESS: 190 ETOWAH INDUSTRIAL COURT CANTON, GEORGIA 30114

PHONE: 404.645.7900

FAX: 404.645.7914

#### 1.5 EMERGENCY TELEPHONE NUMBER

CHEMTREC (TRANSPORT/ENVIRONMENTAL): 1800.424.9300 (INSIDE US) 1703.527.3887 (OUTSIDE US)

ROCKY MOUNTAIN POISON CENTER: 1866.767.5089

### 2. HAZARD IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

RESPIRATORY SENSITIZATION: CATEGORY 1

SKIN SENSITIZATION: CATEGORY 1

REPRODUCTIVE TOXICITY: CATEGORY 1B

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): NOT APPLICABLE

#### 2.2 LABEL ELEMENTS

EMERGENCY OVERVIEW:



APPEARANCE: PASTE

PHYSICAL STATE: LIQUID

ODOR: NO INFORMATION AVAILABLE

#### HAZARD STATEMENTS:

MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED

MAY CAUSE AN ALLERGIC SKIN REACTION

MAY DAMAGE FERTILITY OR THE UNBORN CHILD

#### PRECAUTIONARY STATEMENTS - PREVENTION

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE

DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION



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AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY  
IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION  
CONTAMINATED WORK CLOTHING MUST NOT BE ALLOWED OUT OF THE WORKPLACE

### PRECAUTIONARY STATEMENTS - RESPONSE

IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION  
IF ON SKIN: WASH WITH PLENTY OF WATER AND SOAP  
IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION  
WASH CONTAMINATED CLOTHING BEFORE REUSE  
IF INHALED: IF BREATHING IS DIFFICULT, REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING  
IF EXPERIENCING RESPIRATORY SYMPTOMS: CALL A POISON CENTER OR DOCTOR

### PRECAUTIONARY STATEMENTS - STORAGE

STORE LOCKED UP

### PRECAUTIONARY STATEMENTS - DISPOSAL

DISPOSE OF CONTENTS/ CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT  
22 % OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY

### 2.3 OTHER INFORMATION

NO INFORMATION AVAILABLE.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES

MIXTURE:

CHEMICAL NAME	CAS No	WEIGHT-%
LIMESTONE	1317-65-3	30 - 60
PROPYLENE CARBONATE	108-32-7	1 - <5
METHYLENEDIPHENYL DIISOCYANATE	26447-40-5	0.1 - <1
BENZENESULFONYL ISOCYANATE, 4-METHYL-	4083-64-1	0.1 - <1
QUARTZ	14808-60-7	0.1 - <1
DIBUTYLTIN DILAURATE	77-58-7	0.1 - <1

\*THE EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET

## 4. FIRST-AID MEASURES

### 4.1. DESCRIPTION OF FIRST AID MEASURES

**GENERAL ADVICE:** REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES.

**INHALATION IF INHALED:** REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. MAY CAUSE ALLERGIC RESPIRATORY REACTION. GET MEDICAL ATTENTION IMMEDIATELY IF SYMPTOMS OCCUR.

**EYE CONTACT:** IN CASE OF CONTACT WITH SUBSTANCE, IMMEDIATELY FLUSH SKIN OR EYES WITH RUNNING WATER FOR AT LEAST 20 MINUTES. IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

**SKIN CONTACT:** WASH OFF IMMEDIATELY WITH SOAP AND PLENTY OF WATER WHILE REMOVING ALL CONTAMINATED CLOTHES AND SHOES. WASH CONTAMINATED CLOTHING BEFORE REUSE. MAY CAUSE AN ALLERGIC SKIN REACTION. MAY CAUSE SENSITIZATION BY SKIN CONTACT. IN THE CASE OF SKIN IRRITATION OR ALLERGIC REACTIONS SEE A PHYSICIAN.

**INGESTION:** CLEAN MOUTH WITH WATER AND DRINK AFTERWARDS PLENTY OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. IF SWALLOWED, CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY.



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**SELF-PROTECTION OF THE FIRST AIDER:** ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED, TAKE PRECAUTIONS TO PROTECT THEMSELVES AND PREVENT SPREAD OF CONTAMINATION. AVOID DIRECT CONTACT WITH SKIN. USE BARRIER TO GIVE MOUTH-TO-MOUTH RESUSCITATION. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

### **4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

**SYMPTOMS:** MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED. COUGHING AND/ OR WHEEZING. ITCHING. RASHES. HIVES.

### **4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

**NOTE TO PHYSICIANS:** MAY CAUSE SENSITIZATION IN SUSCEPTIBLE PERSONS. MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT. TREAT SYMPTOMATICALLY.

## **5. FIRE-FIGHTING MEASURES**

### **5.1. EXTINGUISHING MEDIA**

**SUITABLE EXTINGUISHING MEDIA LARGE FIRE:** CARBON DIOXIDE (CO<sub>2</sub>). DRY CHEMICAL. FOAM.

**CAUTION:** USE OF WATER SPRAY WHEN FIGHTING FIRE MAY BE INEFFICIENT.

**UNSUITABLE EXTINGUISHING MEDIA:** DO NOT SCATTER SPILLED MATERIAL WITH HIGH PRESSURE WATER STREAMS.

### **5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** THERMAL DECOMPOSITION CAN LEAD TO RELEASE OF IRRITATING AND TOXIC GASES AND VAPORS. PRODUCT IS OR CONTAINS A SENSITIZER. MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

**HAZARDOUS COMBUSTION PRODUCTS:** CARBON OXIDES. CARBON DIOXIDE (CO<sub>2</sub>).

**EXPLOSION DATA:**

**SENSITIVITY TO MECHANICAL IMPACT:** NONE

**SENSITIVITY TO STATIC DISCHARGE:** NONE

### **5.3. ADVICE FOR FIREFIGHTERS**

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:** AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

**PERSONAL PRECAUTIONS:** USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. AVOID BREATHING VAPORS OR MISTS. ENSURE ADEQUATE VENTILATION. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. WASH THOROUGHLY AFTER HANDLING.

**OTHER INFORMATION:** REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS 7 AND 8.

### **6.2 ENVIRONMENTAL PRECAUTIONS**

**ENVIRONMENTAL PRECAUTIONS:** PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS. SEE SECTION 12 FOR ADDITIONAL ECOLOGICAL INFORMATION.

### **6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

**METHODS FOR CONTAINMENT:** STOP LEAK IF YOU CAN DO IT WITHOUT RISK. CONTAIN AND COLLECT SPILLAGE WITH NON-COMBUSTIBLE ABSORBENT MATERIAL, (E.G. SAND, EARTH, DIATOMACEOUS EARTH, VERMICULITE) AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL / NATIONAL REGULATIONS (SEE SECTION 13).

**METHODS FOR CLEANING UP:** USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. DAM UP. COVER LIQUID SPILL WITH SAND, EARTH OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL. TAKE UP MECHANICALLY, PLACING IN APPROPRIATE



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CONTAINERS FOR DISPOSAL. CLEAN CONTAMINATED SURFACE THOROUGHLY.

REFERENCE TO OTHER SECTION: SEE SECTION 8 FOR MORE INFORMATION. SEE SECTION 13 FOR MORE INFORMATION.

### 7. HANDLING AND STORAGE

#### 7.1 PRECAUTIONS FOR SAFE HANDLING

**ADVICE ON SAFE HANDLING:** USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. DO NOT BREATHE DUST/FUME/GAS/MIST/VAPORS/SPRAY. ENSURE ADEQUATE VENTILATION. PROVIDE EXTRACT VENTILATION TO POINTS WHERE EMISSIONS OCCUR. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. WASH THOROUGHLY AFTER HANDLING. TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

#### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**STORAGE CONDITIONS:** KEEP OUT OF THE REACH OF CHILDREN. KEEP IN PROPERLY LABELED CONTAINERS. KEEP CONTAINERS TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE. PROTECT FROM MOISTURE. STORE LOCKED UP.

**RECOMMENDED STORAGE TEMPERATURE:** KEEP AT TEMPERATURES BETWEEN 50 AND 95°F / 10 AND 35°C

#### 7.3 REFERENCES TO OTHER SECTIONS

REFERENCE TO OTHER SECTIONS: SECTION 10: STABILITY AND REACTIVITY

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. CONTROL PARAMETERS

**EXPOSURE LIMITS:** THIS PRODUCT CONTAINS SUBSTANCES WHICH IN THEIR RAW STATE ARE POWDER FORM, HOWEVER IN THIS PRODUCT THEY ARE IN A NON-RESPIRABLE FORM. INHALATION OF POWDER/DUST PARTICLES IS UNLIKELY TO OCCUR FROM EXPOSURE TO THIS PRODUCT.

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH
LIMESTONE 1317-65-3	-	TWA: 15 MG/M <sup>3</sup> TOTAL DUST TWA: 5 MG/M <sup>3</sup> RESPIRABLE FRACTION (VACATED) TWA: 15 MG/M <sup>3</sup> TOTAL DUST (VACATED) TWA: 5 MG/M <sup>3</sup> RESPIRABLE FRACTION	TWA: 10 MG/M <sup>3</sup> TOTAL DUST TWA: 5 MG/M <sup>3</sup> RESPIRABLE DUST
METHYLENEDIPHENYL DIISOCYANATE 26447-40-5	-	CEILING: 0.02 PPM CEILING: 0.2 MG/M <sup>3</sup>	-
QUARTZ 14808-60-7	TWA: 0.025 MG/M <sup>3</sup> RESPIRABLE PARTICULATE MATTER	TWA: 50 MG/M <sup>3</sup> TWA: 50 MG/M <sup>3</sup> EXCLUDES CONSTRUCTION WORK, AGRICULTURAL OPERATIONS, AND EXPOSURES THAT RESULT FROM THE PROCESSING	IDLH: 50 MG/M <sup>3</sup> RESPIRABLE DUST TWA: 0.05 MG/M <sup>3</sup> RESPIRABLE DUST



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CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH
		OF SORPTIVE CLAYS (VACATED) TWA: 0.1 MG/M <sup>3</sup> RESPIRABLE DUST : (250)/(%SIO <sub>2</sub> + 5) MPPCF TWA RESPIRABLE FRACTION : (10)/(%SIO <sub>2</sub> + 2) MG/M <sup>3</sup> TWA RESPIRABLE FRACTION	
DIBUTYLTIN DILAUATE 77-58-7	STEL: 0.2 MG/M <sup>3</sup> SN TWA: 0.1 MG/M <sup>3</sup> SN S*	TWA: 0.1 MG/M <sup>3</sup> SN (VACATED) TWA: 0.1 MG/M <sup>3</sup> SN (VACATED) S*	IDLH: 25 MG/M <sup>3</sup> SN TWA: 0.1 MG/M <sup>3</sup> EXCEPT CYHEXATIN SN

CHEMICAL NAME	ARGENTINA	BRAZIL	CHILE	COLUMBIA
LIMESTONE 1317-65-3	TWA: 10 MG/M <sup>3</sup>	-	LPP: 7 MG/M <sup>3</sup> LPP: 5 MG/M <sup>3</sup>	-
METHYLENEDIPHENYL DIISOCYANATE 26447-40-5	TWA: 0.005 PPM	-	LPP: 0.004 PPM LPP: 0.045 MG/M <sup>3</sup>	-
QUARTZ 14808-60-7	TWA: 0.05 MG/M <sup>3</sup>	TWA: 0.025 MG/M <sup>3</sup>	LPP: 0.08 MG/M <sup>3</sup>	TWA: 0.025 MG/M <sup>3</sup>
DIBUTYLTIN DILAUATE 77-58-7	TWA: 0.1 MG/M <sup>3</sup> SKIN STEL: 0.2 MG/M <sup>3</sup>	TWA: 0.1 MG/M <sup>3</sup> STEL: 0.2 MG/M <sup>3</sup>	LPP: 0.09 MG/M <sup>3</sup> S*	STEL: 0.2MG/M <sup>3</sup> TWA: 0.1MG/M <sup>3</sup>

CHEMICAL NAME	COSTA RICA	PERU	URUGUAY	VENEZUELA
QUARTZ 14808-60-7	TWA: 0.025MG/M <sup>3</sup>	TWA: 0.05MG/M <sup>3</sup>	LPP: 7 MG/M <sup>3</sup> LPP: 5 MG/M <sup>3</sup>	-
DIBUTYLTIN DILAUATE 77-58-7	TWA: 0.1MG/M <sup>3</sup> STEL: 0.2MG/M <sup>3</sup>		LPP: 0.004 PPM LPP: 0.045 MG/M <sup>3</sup>  LPP: 0.08 MG/M <sup>3</sup>  LPP: 0.09 MG/M <sup>3</sup> S*	-  TWA: 0.025 MG/M <sup>3</sup>  STEL: 0.2MG/M <sup>3</sup> TWA: 0.1MG/M <sup>3</sup>



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### 8.2. EXPOSURE CONTROLS

#### APPROPRIATE ENGINEERING CONTROLS

ENGINEERING CONTROLS: SHOWERS  
EYEWASH STATIONS  
VENTILATION SYSTEMS.

#### INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: TIGHT SEALING SAFETY GOGGLES.

HAND PROTECTION: WEAR SUITABLE CHEMICAL RESISTANT GLOVES. THE SELECTION OF SUITABLE GLOVES DOES NOT ONLY DEPEND ON THE MATERIAL, BUT ALSO ON FURTHER MARKS OF QUALITY AND VARIOUS MANUFACTURERS.

SKIN AND BODY PROTECTION: WEAR SUITABLE PROTECTIVE CLOTHING.

RESPIRATORY PROTECTION: IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED, NIOSH/MSHA APPROVED RESPIRATORY PROTECTION SHOULD BE WORN. POSITIVE-PRESSURE SUPPLIED AIR RESPIRATORS MAY BE REQUIRED FOR HIGH AIRBORNE CONTAMINANT CONCENTRATIONS. RESPIRATORY PROTECTION MUST BE PROVIDED IN ACCORDANCE WITH CURRENT LOCAL REGULATIONS.

GENERAL HYGIENE CONSIDERATIONS: WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT. REMOVE AND WASH CONTAMINATED CLOTHING AND GLOVES, INCLUDING THE INSIDE, BEFORE RE-USE. REGULAR CLEANING OF EQUIPMENT, WORK AREA AND CLOTHING IS RECOMMENDED.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

APPEARANCE: PASTE

COLOR: COLORLESS

ODOR: NO INFORMATION AVAILABLE

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS • METHOD
PH	NO DATA AVAILABLE	NONE KNOWN
PH (AS AQUEOUS SOLUTION)	NO DATA AVAILABLE	NONE KNOWN
MELTING POINT / FREEZING POINT	NO DATA AVAILABLE	NONE KNOWN
INITIAL BOILING POINT AND BOILING RANGE	NO DATA AVAILABLE	NONE KNOWN
FLASH POINT	> 200 °C / 392 °F	
EVAPORATION RATE	NO DATA AVAILABLE	NONE KNOWN
FLAMMABILITY	NOT APPLICABLE FOR LIQUIDS .	
FLAMMABILITY LIMIT IN AIR		NONE KNOWN
UPPER FLAMMABILITY OR EXPLOSIVE LIMITS	NO DATA AVAILABLE	
LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	NO DATA AVAILABLE	
VAPOR PRESSURE	NO DATA AVAILABLE	NONE KNOWN
RELATIVE VAPOR DENSITY	NO DATA AVAILABLE	NONE KNOWN
RELATIVE DENSITY	NO DATA AVAILABLE	NONE KNOWN
WATER SOLUBILITY	PRODUCT CURES WITH MOISTURE REACTS WITH WATER	
SOLUBILITY(IES)	NO DATA AVAILABLE	NONE KNOWN
PARTITION COEFFICIENT	NO DATA AVAILABLE	NONE KNOWN
AUTOIGNITION TEMPERATURE	NO DATA AVAILABLE	NONE KNOWN



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### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

**SYMPTOMS:** SYMPTOMS OF ALLERGIC REACTION MAY INCLUDE RASH, ITCHING, SWELLING, TROUBLE BREATHING, TINGLING OF THE HANDS AND FEET, DIZZINESS, LIGHTHEADEDNESS, CHEST PAIN, MUSCLE PAIN, OR FLUSHING. COUGHING AND/ OR WHEEZING. ITCHING. RASHES. HIVES.

### ACUTE TOXICITY

#### NUMERICAL MEASURES OF TOXICITY

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT  
ATEMIX (DERMAL) 18,597.80 MG/KG

### COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
LIMESTONE 1317-65-3	>5000 MG/KG (RATTUS)	-	-
PROPYLENE CARBONATE 108-32-7	LD50 > 5000 MG/KG (RATTUS) OECD 401	> 3000 MG/KG (ORYCTOLAGUS CUNICULUS)	-
METHYLENEDIPHENYL DIISOCYANATE 26447-40-5	>10000 MG/KG (RATTUS)	> 10000 MG/KG (ORYCTOLAGUS CUNICULUS)	=490 MG/M <sup>3</sup> (RATTUS 4H)
BENZENESULFONYL ISOCYANATE, 4-METHYL-4083-64-1	=2234 MG/KG (RATTUS)	LD 50 (RATTUS) > 2000 MG/KG OECD 402	>640 PPM (RATTUS) 1 H
QUARTZ 14808-60-7	>20000 MG/KG	-	-
DIBUTYLTIN DILAURATE 77-58-7	=2071 MG/KG (RATTUS) OECD 401	> 2000 MG/KG (RATTUS)	-

### DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

**SKIN CORROSION/IRRITATION:** BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

**SERIOUS EYE DAMAGE/EYE IRRITATION:** BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

RESPIRATORY OR SKIN SENSITIZATION MAY CAUSE SENSITIZATION BY INHALATION. MAY CAUSE SENSITIZATION BY SKIN CONTACT.

**GERM CELL MUTAGENICITY:** BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

**CARCINOGENICITY:** BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET. AS QUARTZ (14808-60-7) IS INEXTRICABLY BOUND IN THE POLYMER MATRIX, IT IS NOT EXPECTED TO BE AVAILABLE AS AN AIRBORNE HAZARD (DUST, MIST, OR SPRAY) UNDER NORMAL CONDITION OF USES.

THE TABLE BELOW INDICATES WHETHER EACH AGENCY HAS LISTED ANY INGREDIENT AS A CARCINOGEN.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
METHYLENEDIPHENYL DIISOCYANATE 26447-40-5	-	GROUP 3	-	-



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PROPERTY	VALUES	REMARKS • METHOD
DECOMPOSITION TEMPERATURE	NO DATA AVAILABLE	NONE KNOWN
KINEMATIC VISCOSITY	NO DATA AVAILABLE	NONE KNOWN
DYNAMIC VISCOSITY	NO DATA AVAILABLE	NONE KNOWN

### 9.2. OTHER INFORMATION

EXPLOSIVE PROPERTIES: NO INFORMATION AVAILABLE

OXIDIZING PROPERTIES: NO INFORMATION AVAILABLE

SOLVENT CONTENT (%): NO INFORMATION AVAILABLE

SOLID CONTENT (%): NO INFORMATION AVAILABLE

SOFTENING POINT: NO INFORMATION AVAILABLE

MOLECULAR WEIGHT: NO INFORMATION AVAILABLE

VOC CONTENT (%): 1% < 30 G/L

DENSITY: 1.659 G/CM<sup>3</sup>

BULK DENSITY: NO INFORMATION AVAILABLE

### 10. STABILITY AND REACTIVITY

#### 10.1. REACTIVITY

REACTIVITY: NO INFORMATION AVAILABLE.

#### 10.2. CHEMICAL STABILITY

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS.

#### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION MAY OCCUR.

#### 10.4. CONDITIONS TO AVOID

CONDITIONS TO AVOID: PROTECT FROM MOISTURE. KEEP FROM ANY POSSIBLE CONTACT WITH WATER. EXTREMES OF TEMPERATURE AND DIRECT SUNLIGHT. STORAGE NEAR TO REACTIVE MATERIALS.

#### 10.5. INCOMPATIBLE MATERIALS

INCOMPATIBLE MATERIALS: WATER. ALCOHOLS. STRONG BASES. STRONG OXIDIZING AGENTS. FINELY POWDERED METALS.

#### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES NITROGEN OXIDES (NOX) THERMAL DECOMPOSITION CAN LEAD TO RELEASE OF IRRITATING AND TOXIC GASES AND VAPORS

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

##### PRODUCT INFORMATION

INHALATION: MAY CAUSE SENSITIZATION IN SUSCEPTIBLE PERSONS. MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.

EYE CONTACT: BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

SKIN CONTACT: REPEATED OR PROLONGED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS WITH SUSCEPTIBLE PERSONS. MAY CAUSE SENSITIZATION BY SKIN CONTACT.

INGESTION: MAY CAUSE ADDITIONAL AFFECTS AS LISTED UNDER "INHALATION"





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<b>CHEMICAL NAME</b> QUARTZ 14808-60-7	<b>ACGIH</b> A2	<b>IARC</b> GROUP 1	<b>NTP</b> KNOWN	<b>OSHA</b> X
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### LEGEND

**ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS)**

A2 - SUSPECTED HUMAN CARCINOGEN

**IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER)**

GROUP 1 - CARCINOGENIC TO HUMANS

GROUP 3 - NOT CLASSIFIABLE AS TO CARCINOGENICITY IN HUMANS

**NTP (NATIONAL TOXICOLOGY PROGRAM)**

KNOWN - KNOWN CARCINOGEN

**OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION OF THE US DEPARTMENT OF LABOR)**

X - PRESENT

METHYLENEDIPHENYL DIISOCYANATE (26447-40-5)

<b>METHOD</b>	<b>SPECIES</b>	<b>RESULTS</b>
	IN VIVO	LIMITED EVIDENCE OF A CARCINOGENIC EFFECT

QUARTZ (14808-60-7)

<b>METHOD</b>	<b>SPECIES</b>	<b>RESULTS</b>
IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER)	HUMAN EVIDENCE	CARCINOGENIC

**REPRODUCTIVE TOXICITY:** CONTAINS A KNOWN OR SUSPECTED REPRODUCTIVE TOXIN. CLASSIFICATION BASED ON DATA AVAILABLE FOR INGREDIENTS. MAY CAUSE HARM TO BREAST-FED CHILDREN.

**STOT - SINGLE EXPOSURE:** BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

**STOT - REPEATED EXPOSURE:** BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

**TARGET ORGAN:** EFFECTS REPRODUCTIVE SYSTEM, RESPIRATORY SYSTEM, EYES, SKIN.

**ASPIRATION HAZARD:** BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

**OTHER ADVERSE EFFECTS:** NO INFORMATION AVAILABLE.

**INTERACTIVE EFFECTS:** NO INFORMATION AVAILABLE.

## 12. ECOLOGICAL INFORMATION

### 12.1. TOXICITY

ECOTOXICITY		TOXICITY TO		
CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	MICROORGANISMS	CRUSTACEA
LIMESTONE 1317-65-3	CE50 (72H) >200MG/L ALGAE (DESMONDESMUS SUBSPICATUS)	CL50 (96H)>10000 MG/L (ONCORHYNCHUS MYKISS)	-	CE50 (48H) >1000 MG/L DAPHNIA MAGNA
PROPYLENE CARBONATE 108-32-7	EC50: >500MG/L (72H, DESMODESMUS SUBSPICATUS)	LC50 96 H > 1000 MG/L (CYPRINUS CARPIO SEMI-STATIC)	EC50 > 10000 MG/L 17 H	EC50: >500MG/L (48H, DAPHNIA MAGNA)
METHYLENEDIPHENYL DIISOCYANATE 26447-40-5	EC50: =3230MG/L (96H, SKELETONEMA COSTATUM)	-	-	EC50: >1000MG/L (24H, DAPHNIA MAGNA)



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CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	TOXICITY TO MICROORGANISMS	CRUSTACEA
DIBUTYLTIN DILAURATE 77-58-7	EC50 1 (72H) MG/L (DESMODESMUS SUBSPICATUS)	LC50: =2MG/L (48H, ORYZIAS LATIPES)	-	0,463 (48H) MG/L (DAPHNIA MAGMA)

### 12.2. PERSISTENCE AND DEGRADABILITY

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

### 12.3. BIOACCUMULATIVE POTENTIAL

BIOACCUMULATION: THERE IS NO DATA FOR THIS PRODUCT.

#### COMPONENT INFORMATION

CHEMICAL NAME	PARTITION COEFFICIENT
LIMESTONE 1317-65-3	0.9
PROPYLENE CARBONATE 108-32-7	0.079
METHYLENEDIPHENYL DIISOCYANATE 26447-40-5	4.5
BENZENESULFONYL ISOCYANATE, 4-METHYL- 4083-64-1	0.6
DIBUTYLTIN DILAURATE 77-58-7	4.44

### 12.4. MOBILITY IN SOIL

MOBILITY: NO INFORMATION AVAILABLE.

#### OTHER ADVERSE EFFECTS

OTHER ADVERSE EFFECTS: NO INFORMATION AVAILABLE.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. WASTE TREATMENT METHODS

WASTE FROM RESIDUES/UNUSED PRODUCTS: IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO DETERMINE THE TOXICITY AND PHYSICAL PROPERTIES OF THE MATERIAL GENERATED TO DETERMINE THE PROPER WASTE IDENTIFICATION AND DISPOSAL METHODS IN COMPLIANCE WITH APPLICABLE REGULATIONS.

CONTAMINATED PACKAGING: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

## 14. TRANSPORT INFORMATION

DOT: NOT REGULATED

IATA: NOT REGULATED

IMDG: NOT REGULATED

## 15. REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

TSCA: LISTED

DSL: LISTED

LEGEND:

TSCA - UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY

DSL - CANADIAN DOMESTIC SUBSTANCES LIST

LISTED - THE COMPONENTS OF THIS PRODUCT ARE EITHER LISTED OR EXEMPT FROM LISTING ON INVENTORY.

NOT LISTED - ONE OR MORE COMPONENTS OF THIS PRODUCT ARE NOT LISTED ON INVENTORY.



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### US FEDERAL REGULATIONS

#### SARA 313

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT AND TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 372.

CHEMICAL NAME	CAS NO	SARA 313 - THRESHOLD VALUES %
METHYLENEDIPHENYL DIISOCYANATE	26447-40-5	1.0

#### SARA 311/312 HAZARD CATEGORIES

SHOULD THIS PRODUCT MEET EPCRA 311/312 TIER REPORTING CRITERIA AT 40 CFR 370, REFER TO SECTION 2 OF THIS SDS FOR APPROPRIATE CLASSIFICATIONS.

### EUROPE

#### RESTRICTIONS OF USE OF HAZARDOUS SUBSTANCES (ROHS) DIRECTIVE 2011/65/EU

THIS PRODUCT DOES NOT CONTAIN LEAD, CADMIUM, MERCURY, HEXAVALENT CHROMIUM, POLYBROMINATED BIPHENYLS (PBB), POLYBROMINATED DIPHENYL ETHERS (PBDE), BIS(2-ETHYLHEXYL) PHTHALATE (DEHP), BENZYL BUTYL PHTHALATE (BBP), DIBUTYL PHTHALATE (DBP) AND DIISOBUTYL PHTHALATE (DIBP) ABOVE THE REGULATED LIMIT MENTIONED IN THIS REGULATION. THIS DOCUMENT IS BASED ON THE INFORMATION GIVEN TO US BY OUR OWN SUPPLIERS AT THE DATE OF THIS DOCUMENT.

#### SVHC: SUBSTANCES OF VERY HIGH CONCERN FOR AUTHORIZATION:

THIS PRODUCT DOES NOT CONTAIN CANDIDATE SUBSTANCES OF VERY HIGH CONCERN AT A CONCENTRATION  $\geq 0.1\%$  (REGULATION (EC) NO. 1907/2006 (REACH), ARTICLE 59)

### 16. OTHER INFORMATION

#### KEY OR LEGEND TO ABBREVIATIONS AND ACRONYMS USED IN THE SAFETY DATA SHEET

##### LEGEND SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (TIME-WEIGHTED AVERAGE)	STEL	STEL (SHORT TERM EXPOSURE LIMIT)
CEILING	MAXIMUM LIMIT VALUE	*	SKIN DESIGNATION

PREPARED BY PRODUCT SAFETY & REGULATORY AFFAIRS.

PLAE CLUTCH  
REVISION NUMBER 1

REVISION DATE: 19-APR-2022  
SUPERSEDES DATE: 19-APR-2022

REVISION DATE: 19-APR-2022

REVISION NOTE: NO INFORMATION AVAILABLE.

### DISCLAIMER

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

**END OF SAFETY DATA SHEET**