

print date : 04/26/19

E836-000 (page 1)

SECTION 1

manufacturer : SANDSTROM PRODUCTS COMPANY
 address : 224 South Main Street
 : Port Byron, IL 61275
 : USA
 telephone# : (309) 523-2121
 emergency# : (800) 424-9300
 : (703) 527-3887

mfg. code id : E836-000 Revision level : 4-04/26/2019

trade name : CRACK ATTACK RATIO-PAK PART A

Recommended use of chemical: EPOXY

Restrictions on use: Do not use where there is a potential for contact with food.

SECTION 2

HAZARD IDENTIFICATION



HAZARD CLASSIFICATION:

DANGER!

EYE DAMAGE: CATEGORY 1
 SKIN CORROSION: CATEGORY 1
 SKIN SENSITIZER: CATEGORY 1
 ACUTE TOXICITY: CATEGORY 4 (ORAL)
 REPRODUCTIVE TOXICITY: CATEGORY 2
 STOT SE: CATEGORY 3 (RESPIRATORY)

HAZARD & PRECAUTIONARY STATEMENTS:

FLAMMABILITY

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE WITH FLAMMABILITY.

EYE CONTACT

H318: CAUSES SERIOUS EYE DAMAGE. P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECT ION.
 P305,P351,P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.
 CONTINUE RINSING. P310: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN.

SKIN CONTACT

H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H317: MAY CAUSE AN ALLERGIC SKIN REACTION. P264: WASH HANDS AND EXPOSED BODY PARTS THOROUGHLY AFTER HANDLING. P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECT ION. P260: DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPOR/ SPRAY. P272: CONTAMINATED WORK CLOTHING MUST NOT BE ALLOWED OUT OF THE WORKPLACE. P310: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN. P301,P330,P331: IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.
 P303,P361,P353: IF ON SKIN (OR HAIR): REMOVE/ TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P363: WASH CONTAMINATED CLOTHING BEFORE REUSE. P304,P340: IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.
 P305,P351,P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. P405: STORE LOCKED UP. P501: DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH LOCAL/ REGIONAL/ NATIONAL/ INTERNATIONAL REGULATIONS.

INHALATION

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE FOR INHALATION.

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INGESTION

H302: HARMFUL IF SWALLOWED. P264: WASH HANDS AND EXPOSED BODY PARTS THOROUGHLY AFTER HANDLING. P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. P330: RINSE MOUTH. P301+P312: IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P501: DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH LOCAL/ REGIONAL/ NATIONAL/ INTERNATIONAL REGULATIONS.

HAZARDS NOT CLASSIFIED

NO DATA AVAILABLE.

OTHER HEALTH EFFECTS

H361: SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. H335: MAY CAUSE RESPIRATORY IRRITATION. P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. P202: DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION. P261: AVOID BREATHING DUST/ FUME/ GAS/ MIST/ VAPORS/ SPRAY. P271: USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ ATTENTION. P304+P340: IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. P312: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P405: STORE LOCKED UP. P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. P501: DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH LOCAL/ REGIONAL/ NATIONAL/ INTERNATIONAL REGULATIONS.

OTHER HAZARDS:

USE ONLY IN A WELL-VENTILATED AREA OR IN A HOOD WHERE NO FLAME OR OTHER IGNITION SOURCES ARE PRESENT. DO NOT USE PRODUCT IN FOOD-PROCESSING OR FOOD-HANDLING EQUIPMENT OR ON SURFACES THAT MAY CONTACT FOOD. DO NOT ALLOW PRODUCT TO CONTAMINATE FOODSTUFFS. DO NOT EAT, DRINK OR SMOKE WHEN USING PRODUCT. WASH HANDS THOROUGHLY AFTER HANDLING. DO NOT BREATHE VAPORS. WEAR SUITABLE EYE AND SKIN PROTECTION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM TEMPERATURE EXTREMES. IN CASE OF SPILL OR LEAK, REMOVE IGNITION SOURCES AND VENTILATE AREA.

SECTION 3

no.	component	CAS#	% by wt.	SARA	vapor pressure (mm Hg @ 20 C)	LEL (@ 25 C)
1	BISPHENOL A EPOXY RESIN	25068-38-6	30 - 35	NO	N/A	N/A
2	EPICHLOROHYDRIN-POLYGLYCOL POLYMER	41638-13-5	20 - 25	NO	8.00	N/A
3	URETHANE POLYMER	6 TRADE SCT.	35 - 40	NO	3.00	N/A
4	NONYL PHENOL	84852-15-3	1 - 5	NO	1.00	N/A

(N/A = not applicable)

SECTION 4 FIRST AID MEASURES

EYE CONTACT

IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK PROMPT MEDICAL ATTENTION.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING AND SHOES. WIPE EXCESS FROM SKIN AND FLUSH WITH WATER USING SOAP IF AVAILABLE. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS. DO NOT REUSE CLOTHING UNTIL THOROUGHLY DECONTAMINATED. CONTAMINATED LEATHER ARTICLES CANNOT BE DECONTAMINATED AND SHOULD BE DISPOSED.

INHALATION

REMOVE VICTIM TO FRESH AIR AND TREAT SYMPTOMATICALLY. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF THE VICTIM IS NOT BREATHING. SEEK PROMPT MEDICAL ATTENTION.

INGESTION

DO NOT INDUCE VOMITING. IF VOMITING SPONTANEOUSLY OCCURS, KEEP THE VICTIM'S HEAD BELOW THE HIPS TO PREVENT ASPIRATION INTO THE LUNGS. SINCE ASPIRATION INTO THE LUNGS CAN CAUSE VERY SERIOUS, PERMANENT DAMAGE, THE DECISION OF WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY A PHYSICIAN. DANGER FROM LUNG ASPIRATION MUST BE WEIGHED AGAINST TOXICITY WHEN CONSIDERING EMPTYING THE STOMACH. CONSULT A PHYSICIAN, HOSPITAL OR POISON CONTROL CENTER AND/OR TRANSPORT TO AN EMERGENCY FACILITY IMMEDIATELY.

SECTION 5 FIRE FIGHTING MEASURES

flammability classification - OSHA : COMBUSTIBLE LIQUID - CLASS IIIB
 - DOT : NOT REGULATED

EXTINGUISHING MEDIA

USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT HELMET, FACE SHIELD, BUNKER COAT, GLOVES, RUBBER BOOTS, AND A POSITIVE PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

SECTION 6 ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

LARGE SPILLS >> EVACUATE THE HAZARD AREA OF UNPROTECTED PERSONNEL. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. IF VAPOR CLOUD FORMS, WATER FOG MAY BE USED TO SUPPRESS; CONTAIN RUN-OFF. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTIONS AS ABOVE. SMALL SPILLS >> TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS; SEAL TIGHTLY FOR PROPER DISPOSAL.

SECTION 7 HANDLING AND STORAGE

FLAMMABILITY

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE WITH FLAMMABILITY.

SECTION 8 EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS/MIST. IF EXPOSURE EXCEEDS TLV USE A NIOSH-APPROVED POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR TO PREVENT OVER EXPOSURE.

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR GOGGLES IF THERE IS A LIKELIHOOD OF CONTACT WITH EYES. DO NOT GET ON SKIN OR ON CLOTHING.

ADDITIONAL PROTECTIVE MEASURES

USE VENTILATION AS REQUIRED TO CONTROL VAPOR/DUST CONCENTRATIONS. EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR USE IN AN EMERGENCY.

SECTION 9 PHYSICAL PROPERTIES

% volatile by volume :	1.01 +/- 2%	weight per gallon :	9.41 +/- .2
% volatile by weight :	.85 +/- 2%	VOC as supplied is	.0798 pounds per gallon.

PHYSICAL STATE :	PASTE	FLAMMABILITY (SOLID, GAS):	NOT AVAILABLE
COLOR :	(0) Activator/Base	FLAMMABILITY/EXPLOSIVE LIMITS:	NOT AVAILABLE
ODOR :	AMINE	VAPOR PRESSURE :	NOT AVAILABLE
ODOR THRESHOLD :	NOT AVAILABLE	VAPOR DENSITY :	NOT AVAILABLE
pH :	N/A	RELATIVE DENSITY :	1.1236
MELTING/FREEZING POINT:	NOT AVAILABLE	SOLUBILITY :	NOT AVAILABLE
INITIAL BOILING POINT :	NOT AVAILABLE	PARTITION COEFFICIENT :	NOT RELEVANT
BOILING RANGE :	NOT AVAILABLE	AUTO-IGNITION TEMPERATURE:	NOT AVAILABLE
EVAPORATION RANGE :	NOT AVAILABLE	DECOMPOSITION TEMPERATURE :	NOT AVAILABLE
		VISCOSITY (AT 77F) :	82,000 CPS.,7 AT 20RPM

flash point : 205 +/-2 degrees F. SETAFLASH

SECTION 10 STABILITY AND REACTIVITY

STABILITY : STABLE

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID

BASED ON THE PRESENCE OF COMPONENTS 1, 2 AND 4 AVOID OXIDIZING MATERIALS. BASED ON THE PRESENCE OF COMPONENTS 1 AND 4 AVOID STRONG ACIDS. BASED ON THE PRESENCE OF COMPONENT 1 AVOID STRONG ALKALIES. BASED ON THE PRESENCE OF COMPONENT 3 AVOID AMINES AND ALKANOLAMINES. BASED ON THE PRESENCE OF COMPONENT 3 AVOID GROSS WATER CONTAMINATION.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION 11 TOXICOLOGICAL INFORMATION

no.	(OSHA) PEL/TWA	PEL/CEILING	PEL/STEL	skin
1	N/E	N/E	N/E	N/E
2	N/E	N/E	N/E	N/E
3	N/E	N/E	N/E	N/E
4	N/E	N/E	N/E	N/E

no.	(ACGIH) TLV/TWA	TLV/CEILING	TLV/STEL	skin
1	N/E	N/E	N/E	N/E
2	N/E	N/E	N/E	N/E
3	N/E	N/E	N/E	N/E
4	N/E	N/E	N/E	N/E

>> The dried film of this product may become a dust nuisance when removed by sanding or grinding. OSHA recommends a PEL/TWA of 15 mg/m3 for total dust and 5 mg/m3 for the respirable fraction. ACGIH recommends a TLV/TWA of 10 mg/m3 for total dust.

>> (SKIN) absorption may contribute to the overall exposure to this material. Take appropriate measures to prevent skin contact.
(N/E = not established)

>> None of the components of this product are recognized as carcinogenic.

SECTION 12 ECOLOGICAL INFORMATION

CAS#	Component	Harmful to Aquatic Life	Not Harmful to Aquatic Life	May be Harmful to Aquatic
025068-38-6	BISPHENOL A EPOXY RESIN	Y	N	Y
041638-13-5	EPICHLOROHYDRIN-POLYGLYCOL POLYMER	N	N	Y
6 TRADE SCT.	URETHANE POLYMER	N	N	Y
084852-15-3	NONYL PHENOL	Y	N	Y

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

WASTE CHARACTERIZATIONS AND COMPLIANCE WITH APPLICABLE LAWS ARE THE SOLE RESPONSIBILITY OF THE END USER. ALL DISPOSAL PRACTICES USED FOR THIS PRODUCT AND ITS CONTAINER(S) MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. THE INFORMATION PRESENTED IN THIS SDS PERTAINS ONLY TO THE PRODUCT AS SHIPPED.

SECTION 14 TRANSPORTATION INFORMATION

Land Transport
USDOT

Proper shipping name: PAINT, NOI
 NOS Components :
 Hazard class:
 ID-number:
 Packing group:
 Aquatic Toxicity: YES

Sea Transport
IMDG

Proper shipping name: ENVIROMENTALLY HAZ SUBSTANCE NOS
 NOS Components : BISPHENOL A EPOXY POLYMER
 Hazard class: 9
 ID-number: UN3082
 Packing group: III
 Aquatic Toxicity: YES

Air Transport
IATA/ICAO

Proper shipping name: ENVIROMENTALLY HAZ SUBSTANCE NOS
 NOS Components : BISPHENOL A EPOXY POLYMER
 Hazard class: 9
 ID-number: UN3082
 Packing group: III
 Aquatic Toxicity: YES

SECTION 15 REGULATORY INFORMATION

CAS#	Component				
025068-38-6	BISPHENOL A EPOXY RESIN				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: YES	Australia	: YES		
041638-13-5	EPICHLOROHYDRIN-POLYGLYCOL POLYMER				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: YES	Australia	: YES		
6 TRADE SCT.	URETHANE POLYMER				
US TSCA Inventory	: YES	Canada Domestic Substance List	: UNKNOWN	EC	: UNKNOWN
Philippines	: UNKNOWN	Japan	: UNKNOWN	Korea	: UNKNOWN
China	: UNKNOWN	Australia	: UNKNOWN		

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SECTION 15

REGULATORY INFORMATION CONTINUED

084852-15-3 NONYL PHENOL

US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: YES	Australia	: YES		

no.	component	CAS#	SARA
1	BISPHENOL A EPOXY RESIN	25068-38-6	NO
2	EPICHLOROHYDRIN-POLYGLYCOL POLYMER	41638-13-5	NO
3	URETHANE POLYMER	6 TRADE SCT.	NO
4	NONYL PHENOL	84852-15-3	NO

SECTION 16

OTHER INFORMATION

- H M I S -

HEALTH	: 2
FLAMMABILITY	: 1
REACTIVITY	: 0
PERSONAL PROTECT.:	X

(X = ask your supervisor for specialized handling directions)

CONTAINERS CAN CONTAIN HAZARDOUS PRODUCT RESIDUES EVEN WHEN EMPTY. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, WE MAKE NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

SECTION 1

manufacturer : SANDSTROM PRODUCTS COMPANY
 address : 224 South Main Street
 : Port Byron, IL 61275
 : USA
 telephone# : (309) 523-2121
 emergency# : (800) 424-9300
 : (703) 527-3887

mfg. code id : E836-W01 Revision level : 6-04/26/2019

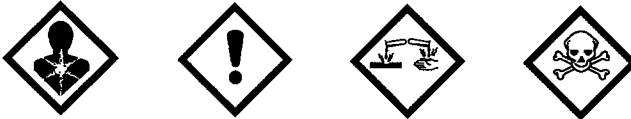
trade name : CRACK ATTACK RATIO-PAK PART B WHITE

Recommended use of chemical: POLYAMIDE

Restrictions on use: Do not use where there is a potential for contact with food.

SECTION 2

HAZARD IDENTIFICATION



HAZARD CLASSIFICATION:

DANGER!

EYE DAMAGE: CATEGORY 1
 SKIN CORROSION: CATEGORY 1
 SKIN SENSITIZER: CATEGORY 1
 ACUTE TOXICITY: CATEGORY 3 (DERM)
 ACUTE TOXICITY: CATEGORY 4 (ORAL)
 REPRODUCTIVE TOXICITY: CATEGORY 2
 STOT RE: CATEGORY 1 (ORGANS)

HAZARD & PRECAUTIONARY STATEMENTS:

FLAMMABILITY

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE WITH FLAMMABILITY.

EYE CONTACT

H318: CAUSES SERIOUS EYE DAMAGE. P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECT ION.
 P305,P351,P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.
 CONTINUE RINSING. P310: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN.

SKIN CONTACT

H311: TOXIC IN CONTACT WITH SKIN. H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. H317: MAY CAUSE AN ALLERGIC SKIN REACTION. P264:
 WASH HANDS AND EXPOSED BODY PARTS THOROUGHLY AFTER HANDLING. P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/
 FACE PROTECT ION. P260: DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPOR/ SPRAY. P272: CONTAMINATED WORK CLOTHING MUST NOT BE ALLOWED
 OUT OF THE WORKPLACE. P310: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/ PHYSICIAN. P361,P362: REMOVE/ TAKE OFF IMMEDIATELY ALL
 CONTAMINATED CLOTHING AND WASH BEFORE REUSE. P301,P330,P331: IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. P303,P361,P353:
 IF ON SKIN (OR HAIR): REMOVE/ TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. P363: WASH
 CONTAMINATED CLOTHING BEFORE REUSE. P304,P340: IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.
 P305,P351,P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.
 CONTINUE RINSING. P405: STORE LOCKED UP. P501: DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH LOCAL/ REGIONAL/ NATIONAL/
 INTERNATIONAL REGULATIONS.

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INHALATION

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE FOR INHALATION.

INGESTION

H302: HARMFUL IF SWALLOWED. P264: WASH HANDS AND EXPOSED BODY PARTS THOROUGHLY AFTER HANDLING. P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. P330: RINSE MOUTH. P301+P312: IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. P501: DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH LOCAL/ REGIONAL/ NATIONAL/ INTERNATIONAL REGULATIONS.

HAZARDS NOT CLASSIFIED

NO DATA AVAILABLE.

OTHER HEALTH EFFECTS

H361: SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD. H372: CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. P202: DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. P280: WEAR PROTECTIVE GLOVES/ PROTECTIVE CLOTHING/ EYE PROTECTION/ FACE PROTECTION. P260: DO NOT BREATHE DUST/ FUME/ GAS/ MIST/ VAPORS/ SPRAY. P264: WASH HANDS AND EXPOSED BODY PARTS THOROUGHLY AFTER HANDLING. P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ ATTENTION. P314: GET MEDICAL ADVICE/ ATTENTION IF YOU FEEL UNWELL. P405: STORE LOCKED UP. P501: DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH LOCAL/ REGIONAL/ NATIONAL/ INTERNATIONAL REGULATIONS.

OTHER HAZARDS:

USE ONLY IN A WELL-VENTILATED AREA OR IN A HOOD WHERE NO FLAME OR OTHER IGNITION SOURCES ARE PRESENT. DO NOT USE PRODUCT IN FOOD-PROCESSING OR FOOD-HANDLING EQUIPMENT OR ON SURFACES THAT MAY CONTACT FOOD. DO NOT ALLOW PRODUCT TO CONTAMINATE FOODSTUFFS. DO NOT EAT, DRINK OR SMOKE WHEN USING PRODUCT. WASH HANDS THOROUGHLY AFTER HANDLING. DO NOT BREATHE VAPORS. WEAR SUITABLE EYE AND SKIN PROTECTION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM TEMPERATURE EXTREMES. IN CASE OF SPILL OR LEAK, REMOVE IGNITION SOURCES AND VENTILATE AREA.

SECTION 3

no.	component	CAS#	% by wt.	SARA	vapor pressure (mm Hg @ 20 C)	LEL (@ 25 C)
1	N-AMINOETHYLPIPERAZINE	140-31-8	5 - 10	NO	.05	1.00
2	NONYL PHENOL	84852-15-3	15 - 20	NO	1.00	N/A
3	POLYAMIDE RESIN	68410-23-1	30 - 35	NO	N/A	N/A
4	TRIETHYLENETETRAMINE	112-24-3	1 - 5	NO	.01	N/A
5	2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL	90-72-2	1 - 5	NO	.01	N/A
6	CALCIUM CARBONATE	1317-65-3	15 - 20	NO	N/A	N/A
7	POLYSTYRENE RESIN	9003-53-6	5 - 10	NO	N/A	N/A

(N/A = not applicable)

SECTION 4 FIRST AID MEASURES

EYE CONTACT

IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK PROMPT MEDICAL ATTENTION.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING AND SHOES. WIPE EXCESS FROM SKIN AND FLUSH WITH WATER USING SOAP IF AVAILABLE. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS. DO NOT REUSE CLOTHING UNTIL THOROUGHLY DECONTAMINATED. CONTAMINATED LEATHER ARTICLES CANNOT BE DECONTAMINATED AND SHOULD BE DISPOSED.

INHALATION

REMOVE VICTIM TO FRESH AIR AND TREAT SYMPTOMATICALLY. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF THE VICTIM IS NOT BREATHING. SEEK PROMPT MEDICAL ATTENTION.

INGESTION

DO NOT INDUCE VOMITING. IF VOMITING SPONTANEOUSLY OCCURS, KEEP THE VICTIM'S HEAD BELOW THE HIPS TO PREVENT ASPIRATION INTO THE LUNGS. SINCE ASPIRATION INTO THE LUNGS CAN CAUSE VERY SERIOUS, PERMANENT DAMAGE, THE DECISION OF WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY A PHYSICIAN. DANGER FROM LUNG ASPIRATION MUST BE WEIGHED AGAINST TOXICITY WHEN CONSIDERING EMPTYING THE STOMACH. CONSULT A PHYSICIAN, HOSPITAL OR POISON CONTROL CENTER AND/OR TRANSPORT TO AN EMERGENCY FACILITY IMMEDIATELY.

>> COMPONENT 3 MAY CAUSE SEVERE, PERMANENT DAMAGE IF ASPIRATED AND VOMITING SHOULD NOT BE INDUCED.

SECTION 5 FIRE FIGHTING MEASURES

flammability classification - OSHA : COMBUSTIBLE LIQUID - CLASS IIIB
 - DOT : NOT REGULATED

EXTINGUISHING MEDIA

USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT HELMET, FACE SHIELD, BUNKER COAT, GLOVES, RUBBER BOOTS, AND A POSITIVE PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

SECTION 6 ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

LARGE SPILLS >> EVACUATE THE HAZARD AREA OF UNPROTECTED PERSONNEL. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. IF VAPOR CLOUD FORMS, WATER FOG MAY BE USED TO SUPPRESS; CONTAIN RUN-OFF. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTIONS AS ABOVE. SMALL SPILLS >> TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS; SEAL TIGHTLY FOR PROPER DISPOSAL.

SECTION 7 HANDLING AND STORAGE

FLAMMABILITY

NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE OR MIXTURE WITH FLAMMABILITY.

SECTION 8 EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS/MIST. IF EXPOSURE EXCEEDS TLV USE A NIOSH-APPROVED POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR TO PREVENT OVER EXPOSURE.

PROTECTIVE CLOTHING

AVOID CONTACT WITH EYES. WEAR GOGGLES IF THERE IS A LIKELIHOOD OF CONTACT WITH EYES. DO NOT GET ON SKIN OR ON CLOTHING.

ADDITIONAL PROTECTIVE MEASURES

USE VENTILATION AS REQUIRED TO CONTROL VAPOR/DUST CONCENTRATIONS. EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR USE IN AN EMERGENCY.

SECTION 9 PHYSICAL PROPERTIES

% volatile by volume	: 1.10 +/- 2%	weight per gallon	: 9.99 +/- .2
% volatile by weight	: .87 +/- 2%	VOC as supplied is	.0873 pounds per gallon.

PHYSICAL STATE	: PASTE	FLAMMABILITY (SOLID, GAS)	: NOT AVAILABLE
COLOR	: (W) White	FLAMMABILITY/EXPLOSIVE LIMITS	: NOT AVAILABLE
ODOR	: AMINE	VAPOR PRESSURE	: NOT AVAILABLE
ODOR THRESHOLD	: NOT AVAILABLE	VAPOR DENSITY	: NOT AVAILABLE
pH	: N/A	RELATIVE DENSITY	: 1.2028
MELTING/FREEZING POINT	: NOT AVAILABLE	SOLUBILITY	: NOT AVAILABLE
INITIAL BOILING POINT	: NOT AVAILABLE	PARTITION COEFFICIENT	: NOT RELEVANT
BOILING RANGE	: NOT AVAILABLE	AUTO-IGNITION TEMPERATURE	: NOT AVAILABLE
EVAPORATION RANGE	: NOT AVAILABLE	DECOMPOSITION TEMPERATURE	: NOT AVAILABLE
		VISCOSITY (AT 77F)	: 225,000 CPS,7 AT 10RPM

flash point : 308 +/-2 degrees F. SETAFLASH

SECTION 10

STABILITY AND REACTIVITY

STABILITY : STABLE

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID

BASED ON THE PRESENCE OF COMPONENTS 2, 3 AND 4 AVOID OXIDIZING MATERIALS. BASED ON THE PRESENCE OF COMPONENTS 1 AND 2 AVOID STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION 11

TOXICOLOGICAL INFORMATION

no.	(OSHA) PEL/TWA	PEL/CEILING	PEL/STEL	skin
1	N/E	N/E	N/E	N/E
2	N/E	N/E	N/E	N/E
3	N/E	N/E	N/E	N/E
4	N/E	N/E	N/E	N/E
5	N/E	N/E	N/E	N/E
6	15mg/m3	N/E	N/E	N/E
7	N/E	N/E	N/E	N/E

no.	(ACGIH) TLV/TWA	TLV/CEILING	TLV/STEL	skin
1	N/E	N/E	N/E	N/E
2	N/E	N/E	N/E	N/E
3	N/E	N/E	N/E	N/E
4	1ppm	N/E	N/E	N/E
5	N/E	N/E	N/E	N/E
6	10mg/m3	N/E	N/E	N/E
7	N/E	N/E	N/E	N/E

>> The dried film of this product may become a dust nuisance when removed by sanding or grinding. OSHA recommends a PEL/TWA of 15 mg/m3 for total dust and 5 mg/m3 for the respirable fraction. ACGIH recommends a TLV/TWA of 10 mg/m3 for total dust.

>> (SKIN) absorption may contribute to the overall exposure to this material. Take appropriate measures to prevent skin contact.
(N/E = not established)

>> None of the components of this product are recognized as carcinogenic.

SECTION 12

ECOLOGICAL INFORMATION

CAS#	Component	Harmful to Aquatic Life	Not Harmful to Aquatic Life	May be Harmful to Aquatic
000140-31-8	N-AMINOETHYLPIPERAZINE	: N	: Y	: N
084852-15-3	NONYL PHENOL	: Y	: N	: Y
068410-23-1	POLYAMIDE RESIN	: N	: Y	: Y

SECTION 12

ECOLOGICAL INFORMATION CONTINUED

000112-24-3 TRIETHYLENETETRAMINE

Harmful to Aquatic Life : Y Not Harmful to Aquatic Life: N May be Harmful to Aquatic: Y

000090-72-2 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL

Harmful to Aquatic Life : N Not Harmful to Aquatic Life: Y May be Harmful to Aquatic: N

001317-65-3 CALCIUM CARBONATE

Harmful to Aquatic Life : N Not Harmful to Aquatic Life: Y May be Harmful to Aquatic: N

009003-53-6 POLYSTYRENE RESIN

Harmful to Aquatic Life : N Not Harmful to Aquatic Life: N May be Harmful to Aquatic: Y

SECTION 13

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

WASTE CHARACTERIZATIONS AND COMPLIANCE WITH APPLICABLE LAWS ARE THE SOLE RESPONSIBILITY OF THE END USER. ALL DISPOSAL PRACTICES USED FOR THIS PRODUCT AND ITS CONTAINER(S) MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. THE INFORMATION PRESENTED IN THIS SDS PERTAINS ONLY TO THE PRODUCT AS SHIPPED.

SECTION 14

TRANSPORTATION INFORMATION

Land Transport

USDOT

Proper shipping name: PAINT, NOI

NOS Components :

Hazard class:

ID-number:

Packing group:

Aquatic Toxicity: YES

Sea Transport

IMDG

Proper shipping name: ENVIROMENTALLY HAZ SUBSTANCE NOS

NOS Components : TRIETHYLENETETRAMINE

Hazard class: 9

ID-number: UN3082

Packing group: III

Aquatic Toxicity: YES

Air Transport

IATA/ICAO

Proper shipping name: ENVIROMENTALLY HAZ SUBSTANCE NOS

NOS Components : TRIETHYLENETETRAMINE

Hazard class: 9

ID-number: UN3082

Packing group: III

Aquatic Toxicity: YES

SECTION 15

REGULATORY INFORMATION CONTINUED

SECTION 15

REGULATORY INFORMATION

CAS#	Component				
000140-31-8	N-AMINOETHYLPIPERAZINE				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: UNKNOWN	Japan	: YES	Korea	: UNKNOWN
China	: UNKNOWN	Australia	: YES		
084852-15-3	NONYL PHENOL				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: YES	Australia	: YES		
068410-23-1	POLYAMIDE RESIN				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: UNKNOWN	Japan	: YES	Korea	: UNKNOWN
China	: UNKNOWN	Australia	: YES		
000112-24-3	TRIETHYLENETETRAMINE				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: YES	Australia	: YES		
000090-72-2	2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: YES	Australia	: YES		
001317-65-3	CALCIUM CARBONATE				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: YES	Australia	: YES		
009003-53-6	POLYSTYRENE RESIN				
US TSCA Inventory	: YES	Canada Domestic Substance List	: YES	EC	: YES
Philippines	: YES	Japan	: YES	Korea	: YES
China	: YES	Australia	: YES		



WARNING This product can expose you to QUARTZ , which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

no.	component	CAS#	SARA
1	N-AMINOETHYLPIPERAZINE	140-31-8	NO
2	NONYL PHENOL	84852-15-3	NO
3	POLYAMIDE RESIN	68410-23-1	NO
4	TRIETHYLENETETRAMINE	112-24-3	NO
5	2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL	90-72-2	NO
6	CALCIUM CARBONATE	1317-65-3	NO
7	POLYSTYRENE RESIN	9003-53-6	NO

SECTION 16

OTHER INFORMATION

- H M I S -

HEALTH	: 3
FLAMMABILITY	: 1
REACTIVITY	: 0
PERSONAL PROTECT.:	X

(X = ask your supervisor for specialized handling directions)

CONTAINERS CAN CONTAIN HAZARDOUS PRODUCT RESIDUES EVEN WHEN EMPTY. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, WE MAKE NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.