

STAIRTREAD ADHESIVE | NOSE FILLER A | NOSE FILLER B

Stairtread Adhesive MSDS Safety Sheet

NPCA HMIS

H=1

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SECTION 1

MANUFACTURER'S NAME: Stoler Industries

STREET ADDRESS: 2220 S Hamilton Extension, Dalton GA 30722

EMERGENCY TELEPHONE NO.: Chemtrec 1-800-424-9300

GENERAL INFORMATION NO.: 1-800-228-4583

PRODUCT CLASS: Stair Tread/Floor Covering Adhesive

MANUFACTURER'S CODE IDENTIFICATION: AAT-420

TRADE NAME: Allstate ST1, Allstate ST2

SECTION 2: HAZARDOUS INGREDIENTS

NONE

SECTION 3: PHYSICAL DATA

BOILING RANGE: Greater than 212° F

VAPOR DENSITY: Lighter than Air

EVAPORATION RATE: Slower than Ether

PERCENT VOLATILE BY VOLUME: 40% ± 2%

VOC EMISSION: 0 g/l (calculated per Ca. South Coast Rule 1168)

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY: Nonflammable

FLASH POINT: N/A

LEL: Not Known

EXTINGUISHING MEDIA: Water mist, dry chemical, CO₂, mechanical foam

UNUSUAL FIRE AND FIGHTING HAZARDS: Liquid adhesive will not ignite.

Dried adhesive will ignite if heated over 150°C and or exposed to ignition source, producing CO, CO₂, smoke and hydrocarbons.

SPECIAL FIRE FIGHTING PROCEDURES: If dried adhesive ignites, use dry chemical, foam extinguishers, or a fog nozzle. For small fires, CO₂ extinguishers can be used. Use air mask when combating dried adhesive fires.

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Allstate Rubber 10 Malcomb Avenue | Unit 4

Teterboro, New Jersey 07608

P: 718 526 7890

Stairtread Adhesive MSDS Safety Sheet (Cont.)

■ SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Non-established

EFFECTS OF OVEREXPOSURE: Wet-possible lightheadedness, nausea, and/or mild dermatitis could develop. Dry-None.

EMERGENCY AND FIRST AID PROCEDURES: Flush eyes with ample water. Wash skin with soap and water. If ingested, treat symptomatically and contact physician.

■ SECTION 6: REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: (Materials to avoid)

CONDITIONS TO AVOID: Closed area with open container

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Strong acids or oxidants, temperatures below 20°F

■ SECTION 7: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Scoop up excess with shovel, wash remainder with water.

WASTE DISPOSAL METHOD: Landfill or incinerate as per local and state regulations.

■ SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required with adequate ventilation.

VENTILATION: Open windows, exhaust fan, open air area

PROTECTIVE GLOVES: May be desirable for people with sensitive skin.

EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: None required

■ SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry place. Optimum storage temperature 70°F.

Stairtread Adhesive MSDS Safety Sheet (Cont.)

■ SECTION 9: SPECIAL PRECAUTIONS (Cont.)

OTHER PRECAUTIONS: Keep from freezing. Keep sealed when not in use. If frozen, allow adhesive to thaw at room temperature. DO NOT agitate or stir until adhesive is completely thawed. Shelf Life – One year from the date of manufactured in an unopened container.

Nose Filler A MSDS Safety Sheet

■ SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY: Stoler Industries
 P.O. Box 2587
 Dalton, GA 30722
 706-277-1000

EMERGENCY PHONE: 800-424-9300 (CHEMTREC)

TRADE NAME AND SYNONYMS: Allstate Two-Part Epoxy Nose Filler, Part A

CHEMICAL NAME AND SYNONYMS: Epoxy resin, Part A

CHEMICAL FAMILY: Epoxy resin

MOLECULAR FORMULA: Not applicable

PRODUCT DESCRIPTION: Epoxy adhesive, Part A

SECTION 2 - HAZARDOUS INGREDIENTS

EXPOSURE GUIDELINES

MATERIAL	% BY WEIGHT	CAS NUMBER	ACGIH	OSHA	
			TLV T	LV-TWA	PEL-STEL
Calcium carbonate	40-60	1317-65-3	10 mg/m ³	10 mg/m ³	10 mg/m ³
Polyurethane prepolymer	2-10	Proprietary	Not established	Not established	Not established
Diglycidyl bisphenol A resin	20-40	25085-99-8	Not established	Not established	Not established
Dipropylene glycol dibenzoate	1-5	27138-31-4	Not established	Not established	Not established
Alkyl (C12-C14) glycidyl ether	3-9	68609-97-2	Not established	Not established	Not established

Nose Filler A MSDS Safety Sheet (Cont.)

■ SECTION 3: HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW: Causes eye irritation. Can cause respiratory irritation. Can cause central nervous system depression. Can cause dermatitis.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: May cause severe irritation. May damage eyes.

SKIN CONTACT: Prolonged exposure may cause skin irritation May cause drying or flaking of skin. Skin absorption of material may cause systemic toxicity.

INGESTION: Ingestion may cause severe injury to intestinal tract, liver, kidneys, stomach, throat, lungs, mouth and mucous membranes. Harmful or fatal if swallowed. Do not ingest.

INHALATION: Overexposure may cause severe respiratory tract irritation. Prolonged overexposure may cause central nervous system depression with narcotic effects (headaches, dizziness). Keep exposure below OSHA exposure limits.

■ SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists. Immediately remove contaminated clothing.

INGESTION: If swallowed, seek medical attention immediately.

INHALATION: Remove to fresh air. Restore breathing if necessary. Get medical attention. This material can cause lung damage.

DO NOT LEAVE VICTIM UNATTENDED.

Nose Filler A MSDS Safety Sheet (Cont.)

■ SECTION 5: FIRE FIGHTING MEASURES AND FIRE HAZARDS

OSHA FLAMMABILITY CLASS:.....IIIB

FLASHPOINT:>200°F, >93°C

LOWER EXPLOSIVE LIMIT:Not applicable

UPPER EXPLOSIVE LIMIT:Not applicable

GENERAL HAZARD: May release flammable mixtures when temperatures are at or above the flash point. Toxic gasses will form upon combustion. Closed containers may explode when exposed to extreme heat. Vapours are heavier than air and may travel a considerable distance.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection required for firefighting personnel. Full protective equipment and a self-contained breathing apparatus (SCBA) should be used in all indoor fires and any large outdoor fires.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, smoke and fumes, hydrocarbon fragments.

■ SECTION 6 – ACCIDENTAL RELEASE MEASURES (SPILLS OR LEAKS)

GENERAL INSTRUCTIONS: Keep all sources of ignition and hot metal surfaces away from spill. Isolate the danger area and keep out unauthorized personnel. Stop spill if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see section 8). Prevent additional discharge of material. Notify the appropriate authorities immediately. Contain spilled liquid with sand, earth or other non-combustible inert absorbent material. Prevent run-off from entering storm sewers, ditches or waterways. Transfer absorbed waste material into properly identified drums. Treat waste material with same precautions as the adhesive. Do not use solvent or flammable liquid to help clean up an accidental release. Release to the environment may be reportable under environmental regulations.

Nose Filler A MSDS Safety Sheet (Cont.)

■ SECTION 7 – HANDLING AND STORAGE

HANDLING: Open container slowly to relieve any pressure. Do not enter confined spaces such as tanks without following proper entry procedures as described in OSHA regulations at 29 CFR 1910.146. Do not breathe vapours. The use of respiratory protection is recommended when airborne concentrations of vapour exceed exposure guidelines. Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Wear appropriate protective gloves and clothing to prevent prolonged or repeated skin contact. Avoid contact with eyes.

STORAGE: Keep containers tightly closed. Use and store this material in a cool, dry, well-ventilated area away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area “No Smoking or Open Flames”. Store only in approved containers. Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

EMPTY CONTAINERS: May contain liquid and vapour residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose

- such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and death. “Empty” drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in accordance with governmental regulations. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

Consult NFPA and OSHA codes.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapour cartridge may be used under conditions where airborne concentrations are expected to exceed exposure guidelines. Protection provided by air purifying respirators is limited. Refer to respirator manufacturer’s selection guide for appropriate respirator for conditions encountered. If in doubt, seek the advice of an industrial hygienist or safety professional for appropriate air purifying respiratory equipment.

Nose Filler A MSDS Safety Sheet (Cont.)

■ SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION (cont.)

Use positive pressure air supplied respirator if there is potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection. When respiratory protection is used, a respiratory protection program meeting OSHA regulations at 29 CFR 1910.134 must be followed.

SKIN PROTECTION: The use of gloves impermeable to the specific material handled is advised to prevent prolonged or repeated skin contact. Where splashing is likely to occur, aprons impermeable to the specific material may be worn. Refer to the glove and protective clothing manufacturer's selection guide for appropriate material.

EYE PROTECTION: Approved chemical splash goggles should be worn to safeguard against potential eye contact, irritation or injury. Where splashing is likely to occur, hard hats and face shields may be used to provide additional protection. Eye wash facilities should be available in the work area.

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation to maintain exposure below TLV(s). The use of local exhaust ventilation is recommended. Provide mechanical ventilation of confined spaces. If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required.

■ SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR: Beige paste with low odour

SPECIFIC GRAVITY: Approx. 1.4 (68°F – 20°C)

pH: Not applicable

BOILING POINT: >425°F, >218°C

FREEZING POINT: <30°F, <-1°C

SOLUBILITY IN WATER: Not soluble

% SOLIDS (BY WEIGHT): >99%

% VOLATILE (BY WEIGHT): <1%

VAPOUR PRESSURE (MM OF MERCURY): <1 mm of Hg @ 68°F, 20°C

VAPOUR DENSITY (AIR = 1): Heavier than air

EVAPORATION RATE (BUTYL ACETATE = 1): Slower than butyl acetate

EVAPORATION RATE (ETHYL ETHER = 1): lower than ethyl ether

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Nose Filler A MSDS Safety Sheet (Cont.)

■ SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Keep away from flames and spark producing equipment. Not dangerously unstable. Avoid buildup of static electricity.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong reducing agents, acids, bases, or unstable chemicals, chloroform, nitric compounds, peroxides, sulfur dichloride, strong alkalis, amines, anhydrides, mercaptans, materials that react with epoxies.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition is unlikely to occur, but under fire or extreme heat conditions, carbon monoxide, carbon dioxide, smoke and fumes, and hydrocarbon fragments can be released.

HAZARDOUS POLYMERIZATION: Will not occur.

■ SECTION 11 – TOXICOLOGICAL INFORMATION

MATERIAL:	SKIN (Dermal LD50):	INGESTION (Oral LD50):
Calcium carbonate	Not available	6,450 mg/kg Oral/Rat
Polyurethane prepolymer	Not available	>5,000 mg/kg Oral/Rat
Diglycidyl bisphenol A resin	20,000 mg/kg (Rabbit)	>5,000 mg/kg Oral/Rat
Dipropylene glycol dibenzoate	>2,000 mg/kg (Rat)	5,313 mg/kg Oral/Rat
Alkyl (C12-C14) glycidyl ether	>4,500 mg/kg (Rabbit) 1	9,200 mg/kg Oral/Rat

CHRONIC: None known.

CHRONIC / CARCINOGENICITY (CANCER CAUSING):

IARC: Not suspected as a human carcinogen.

OSHA: Not suspected as a human carcinogen.

NTP: Not suspected as a human carcinogen.

OTHER: This product contains the following chemicals known to the state of California (Proposition 65) to cause cancer or reproductive toxicity: None known.

OTHER: None known.

SECTION 12 – ECOLOGICAL INFORMATION

No data available.

Nose Filler A MSDS Safety Sheet (Cont.)

■ SECTION 13 – DISPOSAL CONSIDERATIONS

Incinerate at an EPA approved facility or dispose of in accordance with all federal, state/provincial and local regulations.

See Section 2, Page 1 of this MSDS for hazardous ingredients.

PROPER WASTE DISPOSAL IS THE RESPONSIBILITY OF THE OWNER OF THE WASTE!

Call Stoler Industries if additional information is necessary.

■ SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. / T.D.G.:

NOT REGULATED

All packaged material must be labeled in accordance with DOT and OSHA standards.

■ SECTION 15 – REGULATORY INFORMATION

OSHA: Not hazardous.

SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of TITLE III of Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372: None known.

V.O.C.: <0.1 Lbs/Gal. (SCAQMD Rule 1168)

<12 G/L

VHAP: 0 lb/lb solids

HAZARD INDEX: 0: Minimal Hazard 2: Moderate Hazard 4: Severe Hazard

1: Slight Hazard 3: Serious Hazard

HMIS RATINGS:

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

PERSONAL PROTECTION: Depends on application and ventilation.

TSCA: Components of this product are listed on the TSCA inventory.

WHMIS INFORMATION:

Class D, Division 2, Subdivision B - Toxic, Eye and skin irritant

Nose Filler A MSDS Safety Sheet (Cont.)

■ SECTION 16 – OTHER INFORMATION

Version No. 4

All employees or contractors, etc., who use this product must have access to this Material Safety Data Sheet.

PREPARED BY: Stoler Industries

■ SECTION 17 – DEFINITIONS

ACGIH: American Conference of Governmental Industrial Hygienists.

ASPIRATION HAZARD: The danger of drawing material into the lungs, leading to an inflammatory response that can be fatal.

CFR: Code of Federal Regulations (U.S.). A collection of regulations established by law.

CARCINOGEN: A material that either causes cancer in humans, or is considered capable of causing cancer in humans.

COMBUSTIBLE: A term used to classify certain materials with low flash points that ignite easily. For OSHA it has a flash point greater than 100°F (38°C) but below 200°F (93°C).

DOT: U.S. Dept. of Transportation.

FLAMMABLE: A material that gives off vapours that readily ignite at room temperatures. OSHA defines flammable as a material with a flash point less than 100°F (38°C).

FLASH POINT: The lowest point at which a liquid gives off sufficient vapour to form an ignitable mixture with air.

HAZARDOUS: Any substance or mixture of substances having properties capable of producing adverse effects on the health or safety of a human.

IARC: International Agency for Research on Cancer.

IRRITANT: A substance capable of causing an inflammatory effect on living tissue by chemical action at the site of contact.

LD50: Lethal Dose 50. The single dose of a substance that causes death of 50% of an animal population from exposure to the substance from any route other than inhalation.

LEL: Lower Explosive Limit. The lowest concentration of vapour that burns or explodes when an ignition source is present at ambient temperatures.

Nose Filler A MSDS Safety Sheet (Cont.)

■ SECTION 17 – DEFINITIONS (Cont.)

LFL: Lower Flammable Limit. See L.E.L.

MSHA: Mine Safety and Health Administration (U.S.).

NFPA: National Fire Protection Association (U.S.).

NIOSH: National Institute of Occupational Safety and Health (U.S.).

NTP: National Toxicology Program (U.S.).

■ **OECD:** Organisation for Economic Co-operation and Development.

OSHA: The Occupational Safety and Health Administration (U.S.).

PEL-STEL: Permissible Exposure Limit, Short Term Exposure Limit.

SCBA: Self-contained breathing apparatus.

SYSTEMIC TOXICITY: Adverse effects induced by a substance which affects the body in a general manner rather than locally.

TDG: Transportation of Dangerous Goods (Canada).

TLV-TWA: Threshold Limit Value, Time Weighted Average.

TSCA: Toxic Substance Control Act.

TOXIC: Any chemical or material that has evidence of an acute or chronic health hazard and is listed in the NIOSH Registry of Toxic Effects of Chemical Substances.

VHAP: Volatile Hazardous Air Pollutant

V.O.C.: Volatile Organic Compound.

WHMIS: Workplace Hazardous Materials Information System (Canada).

Nose Filler B MSDS Safety Sheet

■ SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY: Stoler Industries
 P.O. Box 2587
 Dalton, GA 30722
 706-277-1000

EMERGENCY PHONE: 800-424-9300 (CHEMTREC)

TRADE NAME AND SYNONYMS: Allstate Two-Part Epoxy Nose Filler, Part B

CHEMICAL NAME AND SYNONYMS: Epoxy resin curative

CHEMICAL FAMILY: Polyamine / Polyamide

MOLECULAR FORMULA: Not applicable

PRODUCT DESCRIPTION: Epoxy curative, Part B

■ SECTION 2 - HAZARDOUS INGREDIENTS

EXPOSURE GUIDELINES

MATERIAL	% BY WEIGHT	CAS NUMBER	ACGIH	OSHA	
			TLV T	LV-TWA	PEL-STEL
Benzyl alcohol	<6	100-51-6	Not established	Not established	Not established
Polyamide resin	5-10	68410-23-1	Not established	Not established	Not established
Polyamine	10-20	Proprietary	Not established	Not established	Not established
Nonylphenol	<14	25154-52-3	Not established	Not established	Not established
4,4-Methylene bis(cyclohexanamine)	<3	1761-71-3	Not established	Not established	Not established
Calcium carbonate	40-60	1317-65-3 1	0 mg/m3	10 mg/m3	10 mg/m3

■ SECTION 3 – HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW: Causes eye burns or irritation. Can cause severe respiratory irritation. Can cause central nervous system depression. Can cause dermatitis.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: May cause severe irritation. May damage or burn eyes.

SKIN CONTACT: Prolonged exposure may cause skin irritation or burns May cause drying or flaking of skin. Skin absorption of material may cause systemic toxicity.

INGESTION: Ingestion may cause severe injury to intestinal tract, liver, kidneys, stomach, throat, lungs, mouth and mucous membranes. Harmful or fatal if swallowed.]

Do not ingest.

INHALATION: Overexposure may cause severe respiratory tract irritation. Prolonged overexposure may cause central nervous system depression with narcotic effects (headaches, dizziness). Keep exposure below OSHA exposure limits.

Nose Filler B MSDS Safety Sheet (Cont.)

■ SECTION 4 - FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes.

Get medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists. Immediately remove contaminated clothing.

INGESTION: If swallowed, seek medical attention immediately.

INHALATION: Remove to fresh air. Restore breathing if necessary. Get medical attention. This material can cause lung damage.

DO NOT LEAVE VICTIM UNATTENDED.

■ SECTION 5 - FIRE FIGHTING MEASURES AND FIRE HAZARDS

OSHA FLAMMABILITY CLASS:.....IIIB

FLASHPOINT:>200°F, >93°C

LOWER EXPLOSIVE LIMIT:Not applicable

UPPER EXPLOSIVE LIMIT:Not applicable

GENERAL HAZARD: May release flammable mixtures when temperatures are at or above the flash point. Toxic gasses will form upon combustion. Closed containers may explode when exposed to extreme heat. Vapours are heavier than air and may travel a considerable distance.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection required for firefighting personnel. Full protective equipment and a self-contained breathing apparatus (SCBA) should be used in all indoor fires and any large outdoor fires.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, smoke and fumes, hydrocarbon fragments, nitrogen oxides, amino compounds.

Nose Filler B MSDS Safety Sheet (Cont.)

■ SECTION 6 – ACCIDENTAL RELEASE MEASURES (SPILLS OR LEAKS)

GENERAL INSTRUCTIONS: Keep all sources of ignition and hot metal surfaces away from spill. Isolate the danger area and keep out unauthorized personnel. Stop spill if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see section 8). Prevent additional discharge of material. Notify the appropriate authorities immediately. Contain spilled liquid with sand, earth or other non-combustible inert absorbent material. Prevent run-off from entering storm sewers, ditches or waterways. Transfer absorbed waste material into properly identified drums. Treat waste material with same precautions as the adhesive. Do not use solvent or flammable liquid to help clean up an accidental release. Release to the environment may be reportable under environmental regulations.

■ SECTION 7 – HANDLING AND STORAGE

HANDLING: Open container slowly to relieve any pressure. Do not enter confined spaces such as tanks without following proper entry procedures as described in OSHA regulations at 29 CFR 1910.146. Do not breathe vapours. The use of respiratory protection is recommended when airborne concentrations of vapour exceed exposure guidelines. Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Wear appropriate protective gloves and clothing to prevent prolonged or repeated skin contact. Avoid contact with eyes.

STORAGE: Keep containers tightly closed. Use and store this material in a cool, dry, well-ventilated area away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area "No Smoking or Open Flames". Store only in approved containers. Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

EMPTY CONTAINERS: May contain liquid and vapour residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a

Nose Filler B MSDS Safety Sheet (Cont.)

■ SECTION 7 – HANDLING AND STORAGE (Cont.)

drum reconditioner. All containers should be disposed of in accordance with governmental regulations. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Consult NFPA and OSHA codes.

■ SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapour cartridge may be used under conditions where airborne concentrations are expected to exceed exposure guidelines. Protection provided by air purifying respirators is limited. Refer to respirator manufacturer's selection guide for appropriate respirator for conditions encountered. If in doubt, seek the advice of an industrial hygienist or safety professional for appropriate air purifying respiratory equipment.

Use positive pressure air supplied respirator if there is potential for an uncontrolled release, exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection. When respiratory protection is used, a respiratory protection program meeting OSHA regulations at 29 CFR 1910.134 must be followed.

SKIN PROTECTION: The use of gloves impermeable to the specific material handled is advised to prevent prolonged or repeated skin contact. Where splashing is likely to occur, aprons impermeable to the specific material may be worn. Refer to the glove and protective clothing manufacturer's selection guide for appropriate material.

EYE PROTECTION: Approved chemical splash goggles should be worn to safeguard against potential eye contact, irritation or injury. Where splashing is likely to occur, hard hats and face shields may be used to provide additional protection. Eye wash facilities should be available in the work area.

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation to maintain exposure below TLV(s). The use of local exhaust ventilation is recommended. Provide mechanical ventilation of confined spaces. If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required.

Nose Filler B MSDS Safety Sheet (Cont.)

■ SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR: Grey paste with ammonia odour

SPECIFIC GRAVITY: 1.6 (68°F – 20°C)

pH: Not applicable

BOILING POINT: >390°F, >199°C

FREEZING POINT: <30°F, <-1°C

SOLUBILITY IN WATER: Slightly soluble

% SOLIDS (BY WEIGHT): >99%

% VOLATILE (BY WEIGHT): <1%

VAPOUR PRESSURE (MM OF MERCURY): <1 mm of Hg @ 68°F, 20°C

VAPOUR DENSITY (AIR = 1): Heavier than air

EVAPORATION RATE (BUTYL ACETATE = 1): Slower than butyl acetate

EVAPORATION RATE (ETHYL ETHER = 1): Slower than ethyl ether

■ SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Keep away from flames and spark producing equipment. Not dangerously unstable. Avoid buildup of static electricity.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong reducing agents, acids, bases, or unstable chemicals, chloroform, peroxides, sulfur dichloride, strong alkalis, anhydrides, mercaptans, materials that react with amines.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition is unlikely to occur, but under fire or extreme heat conditions, carbon monoxide, carbon dioxide, smoke and fumes, hydrocarbon fragments, nitrogen oxides and amino compounds can be released.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

MATERIAL:	SKIN (Dermal LD50):	INGESTION (Oral LD50):
Benzyl alcohol	Not available	Not available
Polyamide resin	>2,000 mg/kg (Rabbit)	>1,230 mg/kg Oral/Rat
Polyamine	>1,000 mg/kg (Rabbit)	>1,620 mg/kg Oral/Rat
Nonylphenol	2,140 mg/kg (Rabbit)	580 mg/kg (Oral/Rat)
4.4-Methylene biscyclohexanamine	Not available	Not available
Calcium carbonate	Not available	6,450 mg/kg Oral/Rat

Nose Filler B MSDS Safety Sheet (Cont.)

■ SECTION 11 – TOXICOLOGICAL INFORMATION (Cont.)

CHRONIC: Liver and kidney damage. May cause corneal opacity. May cause central nervous system depression causing headaches, nausea, and dizziness.

CHRONIC / CARCINOGENICITY (CANCER CAUSING):

IARC: Not suspected as a human carcinogen.

OSHA: Not suspected as a human carcinogen.

NTP: Not suspected as a human carcinogen.

OTHER: This product contains the following chemicals known to the state of California (Proposition 65) to cause cancer or reproductive toxicity: None known.

OTHER: None known.

■ SECTION 12 – ECOLOGICAL INFORMATION

No data available.

■ SECTION 13 – DISPOSAL CONSIDERATIONS

Incinerate at an EPA approved facility or dispose of in accordance with all federal, state/provincial and local regulations.

See Section 2, Page 1 of this MSDS for hazardous ingredients.

PROPER WASTE DISPOSAL IS THE RESPONSIBILITY OF THE OWNER OF THE WASTE!

Call Stoler Industries if additional information is necessary.

■ SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. / T.D.G.:

NOT REGULATED

All packaged material must be labeled in accordance with DOT and OSHA standards.

Nose Filler B MSDS Safety Sheet (Cont.)

■ SECTION 15 – REGULATORY INFORMATION

OSHA: Hazardous material by definition of hazard communication standard (29CFR 1910.1200).

SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of TITLE III of Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372: None known.

V.O.C.: <0.1 Lbs/Gal. (SCAQMD Rule 1168)

<12 G/L

VHAP: 0 lb/lb solids

HAZARD INDEX: 0: Minimal Hazard 2: Moderate Hazard 4: Severe Hazard

1: Slight Hazard 3: Serious Hazard

HMIS RATINGS:

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

PERSONAL PROTECTION: Depends on application and ventilation.

TSCA: Components of this product are listed on the TSCA inventory.

WHMIS INFORMATION:

Class E - Corrosive Material

SECTION 16 – OTHER INFORMATION

Version No. 3

All employees or contractors, etc., who use this product must have access to this Material Safety Data Sheet.

PREPARED BY: Stoler Industries (MW)