

REVISED  
JUNE/2015



## SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT

Adhesive Systems, Inc.  
9411 Corsair Road  
Frankfort, IL 60423  
1-800-552-0299 Phone  
1-815-464-5650 Fax

**EMERGENCY PHONE 1-800-255-3924**

**International +01+813-248-0585**

Product Names: **MP 54270, MP54270BK**

Technical Name: **Epoxy Resin**

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATION(S)

Health: Skin Irritation, Category 2  
Eye Irritation, Category 2  
Skin Sensitization, Category 1

#### GHS LABEL ELEMENTS:



Symbol:

Signal Word: **Warning**

#### Hazard Statements:

**H315: Causes skin irritation.**  
**H317: May cause allergic skin reaction.**  
**H319: Causes serious eye irritation.**

#### Precautionary/Prevent Statements:

**P273: Avoid release to the environment.**  
**P280: Wear protective gloves/protective clothing/eye protection/face protection.**  
**5468C4VS: Contain epoxy constituents. May produce an allergic reaction.**  
**P261: Avoid breathing dust/fume/gas/mist/vapours/spray.**  
**P272: Contaminated work clothing should not be allowed in the work place.**  
**P362: Take off contaminated clothing and wash before reuse.**  
**P363: Wash contaminated clothing before reuse.**  
**P391: Collect spillage.**  
**P264: Wash skin and hands thoroughly after handling.**

#### Response:

**P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**  
**P313: Get medical advice/attention.**  
**P302+P352: IF ON SKN: Wash with plenty of soap and water.**  
**P333+P313: If skin irritation or rash occurs: Get medical advice/attention.**

#### Storage:

**P403+P235: Store in a well ventilated place. Keep cool.**

#### Disposal:

**7944L501: Dispose of in a manner consistent with local, state, and federal regulations.**





### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	Cas No.	OSHA PEL	ACGIH TLV	Other Limits	%Composition
Epoxy Resin	25068-38-6	N/A	N/A	N/A	80-100

### 4. FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

**Skin contact:** In case of contact with hot product, immediately flood the affected area with cold water. Wipe excess material from exposed area. Flush exposed skin with water and follow by washing with soap if available. Carefully remove clothing; if clothing is stuck to a burn area do not pull it off, but cut around it. Cover burn area do not pull it off, but cut around it. Transport to nearest medical facility for additional treatment.

**Eye contact:** Flush eye with water. Rest eyes for 30 minutes. If symptoms persist, consult a physician.

**Ingestion:** Do not induce vomiting. Have victim rinse out mouth with water, then drink sips of water to remove taste from mouth. In general, no treatment is necessary unless large quantities are ingested. However, get medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

### 5. FIRE FIGHTING MEASURES

**Flammable Class:** Not flammable.

**Extinguishing media:** Carbon dioxide, dry chemical, foam, or water fog.

**Hazardous combustion products:** Carbon monoxide, carbon dioxide, phenolics.

**Explosion hazards:** None known.

**Fire fighting procedures:** Use water spray to knock down vapors and to keep containers cool.

**Fire fighting equipment:** As in any fire, wear self-contained apparatus pressure demand (MSHA/NIOSH approved approved or equivalent) and full protective gear.

**Fire explosion:** None known.

**Sensitive to static discharge:** None known.

**Sensitivity to impact:** None known.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, and other toxic or irritating compounds may form when heated to decomposition.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb liquid and place in a sealed container.

**LARGE SPILL:** Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed container for disposal.

#### ENVIRONMENTAL PRECAUTIONS:

**Water Spill:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**Land Spill:** None known.

**Air Spill:** None known.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.

**HANDLING:** Avoid breathing dust/vapor/mist/gas. Avoid contact with skin/eyes/clothing. Keep containers closed when not in use.

**STORAGE:** Store in a cool place in original container. Protect from sunlight. Keep away from sources of ignition.

**STORAGE TEMPERATURE(S):** Store between 50°F and 75°F.

**LOADING TEMPERATURE:** Not Established.

**STORAGE PRESSURE:** Not Established.



## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Not established.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Eyes and Face:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash proof goggles.

**Skin:** Wear rubber gloves to avoid prolonged contact.

**Respiratory:** Use only in a well ventilated area.

**Protective Clothing:** Wear rubber gloves and apron.

**WORKING HYGENIC PRACTICES:** Avoid contact with skin and eyes. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:**

Pale yellow/slight

**pH:** Not established.

**Per cent of Volatile:** Not established

**Flashpoint:**>200°C (CC-Closed Cup)

**Vapor Pressure:** 0.03 mmHg @ 25°C

**Vapor Density:** No data available on this product.

**Boiling Point:** >320°C

**Freezing Point:** No data available on this product.

**Melting Point:** No data available on this product.

**Thermal Decomposition:** No data available on this product.

**Solubility in Water:** Slight (5.4 to 8.4 mg/L @ 20°C

**Specific Gravity:** 1.17

**Evaporation rate:** No data available on this product.

**Melting Point:** N/D

**Vapor Pressure:** 0.03mbar @171°F

**VOC:** Not applicable.

## 10. REACTIVITY AND STABILITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid temperatures above 300°F.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, aldehydes, acids, and other organic substances may be formed during combustion (>500°F) temperature degradation.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizing agents, mineral and organic bases, and especially aliphatic amines.

**COMMENTS: REACTIVITY:** Product may react if exposed to oxidizing materials, acids, or bases.



## 11. TOXICOLOGICAL INFORMATION

### ACUTE:

**Eyes:** Direct contact may cause mild irritation.

**Dermal (LD<sub>50</sub>):** 23000 mg/kg (Rabbit)

**Oral (LD<sub>50</sub>):** 15000 mL/kg (Rat)

**Inhalation (LC<sub>50</sub>):** No data available

**Eye Effects:** Mildly to moderately irritating.

**Skin Effects:** Irritating to skin. May cause allergic skin reaction with prolonged contact.

**Chronic:** Repeated exposure may cause skin sensitization.

**Subchronic:** None Known.

### CARCINOGENICITY:

**IARC:** Not Listed.

**NTP:** Not Listed.

**OSHA:** Not Listed.

**Repeated dose effects:** None Known.

**Irritation:** Prolonged or repeated skin contact may cause irritation.

**Corrosivity:** None Known.

**Sensitization:** May cause sensitization.

**Neurotoxicity:** None Known.

**Genetic Effects:** None Known.

**Reproductive Effects:** None Known.

**Target Organs:** None Known.

**Teratogenic Effects:** None Known.

**Mutagenicity:** None Known.

**Synergistic Materials:** None Known.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Do not flush to sewer.

### ECOTOXICOLOGICAL INFORMATION:

**Rainbow Trout:** LC50, semi-static test, 96 h: 2 mg/L

**Water Flea:** EC50, static test, 48 h, immobilization: 1.8 mg/L

**Bacteria:** IC50, 18 h: >42.6 mg/L

**BIOACCUMULATION/ACCUMULATION:** Bioconcentration potential is moderate (BCF 100 to 3000 or

Log Pow 3 to 5.

**NOTE(S):** Material is toxic to aquatic organisms. (LC50 between 1 to 10 mg/L in the most sensitive species.

## 13. DISPOSAL INFORMATION

This material must be disposed in compliance with local, state, and federal regulations. Follow local and state regulations for disposal of this product as a household waste in your state or municipality.

## 14. TRANSPORTATION INFORMATION

Not regulated for transport: DOT, IMO/IMDG, ADR/RID, ICAO/IATA.



## 15. REGULATORY INFORMATION

**TSCA: All ingredients in this product are in compliance with TSCA.**

**SARA Title III (Superfund Amendments and Reauthorization Act)**

**Fire: No      Pressure Generating: No      Reactivity: No**

**Acute: No      Chronic: No**

**To the best of our knowledge this product does not contain chemicals at levels which require reporting under this statute.**

**CALIFORNIA PROPOSITION 65: No California Proposition 65 ingredients are known to be in this product.**

### **CANADA:**

**WHMIS HAZARD SYSBLE AND CLASSIFICATION:**

**Toxic Symbol: Irritant**

**WHMIS Class: D2B- Eye or Skin Irritant**

**D2B-Skin Sensitizer**

## 16. OTHER INFORMATION

*Initial: 8/22/2007*

*Revised: JUNE/2015*

HMIS	HEALTH 2	FLAMMABILITY 1	REACTIVITY 0
NFPA	HEALTH 2	FIRE HAZARD 1	REACTIVITY 0

*NON-WARRANTY: Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of it's chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State, and Local laws and regulations.*

*Revised: JUNE/2015*

### **Engineering Excellence**

For technical information  
and support call **1-800-552-0299** or visit our website at

**[www.instantca.com](http://www.instantca.com)**



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# ASI Adhesive Systems, Inc. SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT

Adhesive Systems, Inc.  
9411 Corsair Road  
Frankfort, IL 60423  
1-800-552-0299 Phone  
1-815-464-5650 Fax

**EMERGENCY PHONE 1-800-255-3924**

**International +01+813-248-0585**

Product Names: **MP 54270 and MP54270BK Part B (Hardener/catalyst)**

Technical Name: **Curing Agent for Adhesive**

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATION(S) in Accordance with 29CFR 1910 (OSHA HCS)**

Acute toxicity, Oral (Category 4)  
Acute toxicity, Inhalation (Category 4)  
Acute toxicity, Dermal (Category 3)  
Skin Corrosion (Category 2)  
Serious Eye Damage (Category 2A)  
Reproductive Toxicity (Category 2)  
Acute Aquatic Toxicity (Category 2)  
Chronic Aquatic Toxicity (Category 2)

**Health Classification:**

**Irritant: Causes mild skin or eye irritation Category 3**

**GHS LABEL ELEMENTS Including Precautionary Statements**

**Symbol:**



**Signal Word: Danger**

**Hazard Statements:**

H302+H332: Harmful if swallowed or inhaled.  
H311+P331: Toxic in contact with skin or if inhaled.  
H314: Causes severe skin burns and eye damage.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H361: Suspected of damaging fertility or the unborn child.  
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary/Preventive Statements:**

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.  
P264: Wash skin and hands thoroughly after handling.  
P270: Do not eat, drink, or smoke when using this product.  
P271: Use only outdoors or in a well ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P273: Avoid release to environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P281: Use personal protective equipment as required.  
P361: Remove/take off immediately all contaminated clothing.  
P363: Wash contaminated clothing before reuse.

**Response:**

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
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.**

**P304+P340+P310: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.**

**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.**

**P337+P313: If eye irritation persists: Get medical advice/attention.**

**P308+P313: IF exposed or concerned: Get medical advice/attention.**

**P391: Collect spillage.**

**P310: Immediately call a POISEN CENTER or doctor/physician.**

**Storage:**

**P403+P233: Store in a well-ventilated place. Keep container tightly closed.**

**P405: Store locked up.**

**Disposal:**

**P501: Dispose of contents/container to an approved waste disposal plant.**

**Hazards not otherwise classified (HNOC) or not covered by GHS**  
**Benzyl Alcohol may form explosive peroxides.**

### **3. COMPOSITION AND INFORMATION ON INGREDIENTS**

Ingredients	Cas No.		%Composition
4-Nonyphenol	84852-15-3		40-60
2,2-dimethyl-4, 4methylenebis(cyclohexylamine)	6864-37-5		30-40
Benzyl alcohol	100-51-6		10-20

### **4. FIRST AID MEASURES**

**GENERAL ADVICE:**

**Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.**

**EYES:** Flush eye(s) with water for 15 minutes. Get medical attention. Continue rinsing during transport to hospital.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention. Wash clothing before reuse.

**INGESTION:** If swallowed do NOT induce vomiting. Rinse mouth. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:**

**EYES:** Cause eye irritation.

**SKIN:** Contact causes skin irritation.

**SKIN ABSORPTION:** None known.

**INGESTION:** Ingestion of this material can cause mouth, throat, esophageal, and gastrointestinal tract irritation.

**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**ACUTE TOXICITY:** Irritating to eyes and respiratory tract.

**CHRONIC EFFECTS:** Avoid contact with eyes: may cause redness, irritation, and conjunctivitis.

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

**FLAMMABLE CLASS:** Not flammable.

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Combustion products may include: oxides of carbon and nitrogen.

**EXPLOSION HAZARDS:** None known.

**FIRE FIGHTING PROCEDURES:** Use a water spray to keep fire exposed containers cool and to knock down



vapors which may result from product decomposition.

**FIRE FIGHTING EQUIPMENT:** As in any fire wear self contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**FIRE EXPLOSION:** None known.

**SENSITIVE TO STATIC DISCHARGE:** None known.

**SENSITIVITY TO IMPACT:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustible by-products of carbon monoxide/dioxide, nitrogen oxides.

Note: Runoff from fire control or dilution water may be corrosive or toxic; protect personnel and minimize property damage. Contain fire water if possible. Fight fire from protected location and/or safe distance.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb liquid and place in sealed container for disposal.

**LARGE SPILL:** Absorb the liquid and scrub the area with detergent and water. Avoid runoff into storm sewers and ditches which lead to waterways.

Use absorbent to soak up spills. Keep in suitable, closed containers for disposal. Dispose of as a hazardous waste.

### Environmental Precautions:

**WATER SPILL:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

### Special Protective Equipment:

Use vinyl latex gloves, chemical splash goggles or safety glasses with side shields.

Wear respiratory protection. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation.

### Other:

Evacuate personal.

Prevent leak or spillage if safe to do so.

Do not let product enter drains. Discharge into the environment must be avoided.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.

**HANDLING:** Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes, and clothing. Keep container closed when not in use.

**STORAGE:** Store between 50°F and 75°F. Store away from acids and oxidizing agents.

Keep containers tightly closed in a dry well ventilated area. Store containers upright to prevent leakage.

**ELECTROSTATIC ACCUMULATION HAZARD:** None known.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:

Note: If a product is listed in Section 3, but does not appear below, an occupational exposure limit is not available for the component.

**BENZYL ALCOHOL CAS #:** 100-51-6

**VALUE: TWA CONTROL PARAMETERS:** 10.00000 PPM (American Industrial Hygiene Association)

**BASIS:** USA. Workplace Environmental Exposure Levels (WEEL)

**ENGINEERING CONTROLS:** Use only in a well ventilated area.

Avoid contact with eyes, skin, and clothing.

### PERSONAL PROTECTIVE EQUIPMENT:

**EYES AND FACE:** Wear safety glasses. Where there is reasonable probability of liquid contact wear splash proof goggles or full face shield. Tight fitting safety goggles. Faceshield 8 inch minimum. Use equipment for eye



protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**SKIN:** Handle with gloves. Wash and dry hands.

**RESPIRATORY:** Use only in a well ventilated area. Where risk assessment shows air purifying respirators are appropriate use full face respirator with multipurpose combination (US) or type ABEK (EN14387) respirators as a back up to engineering controls.

**PROTECTIVE CLOTHING:** Wear protective clothing. Launder contaminated clothing before reuse.

**OTHER:** Use general dilution ventilation and/or local exhaust ventilation to control/maintain airborne exposures below Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate in all cases use respiratory equipment. Select personal protective equipment based on the results of the exposure assessment(s) present at the point of use. For industrial and professional use only.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Slight amber /mild pungent odor.

**Physical state:** Liquid.

**pH value:** Not applicable

**Percent of volatile:** not established.

**Flash Point:** >240°F

**Flammable Limits:** Not established.

**Autoignition Temperature:** 698°F

**Vapor Pressure:** 0.1 mmHg (@ 86F)

**Vapor Density:** 3.72 (Ref Std AIR=1)

**Boiling Point:** 400°F

**Freezing Point:** Not established.

**Melting Point:** Not established.

**Pour Point:** Not established.

**Thermal Decomposition:** Not established.

**Solubility in Water:** Slight.

**Evaporation Rate:** Not established.

**Density:** 1g/ml@ 25°C

**VOC:** ≤ 1% (test method EPA Method 24 when used as intended with Part A)

## 10. REACTIVITY AND STABILITY

**PHYSICAL HAZARD(S):** Not a regulated reactive or physical hazard.

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable

**POLYMERIZATION:** None known.

**CONDITIONS TO AVOID:** Avoid storage near large masses of epoxy resins. When in use do not mix a larger mass than 50 grams to prevent exothermic reaction which may produce heat and/or smoke.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None known.

**HAZARDOUS POLYMERIZATION PRODUCTS:** Amonia and/or amines during decomposition.

**INCOMPATIBLE MATERIALS:** Avoid strong oxidizing agents, chlorine, acids, and amines especially when hot.

**COMMENTS: REACTIVITY:** Product may react if exposed to oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

**Note:** NOAEL = (No-Observed-Adverse-Effect-Level)

**Reproductive Toxicity:**

**4-Nonylphenol Branched:** Positive (rat) (NOAEL Oral = 15mg/kg/day)

There were adverse effects on pups observed at the non-maternally toxic doses; the substance was therefore classified as a Category 2 reproductive hazard by the EU.



**Reference: EPA HPVIS 2010, REACH CLP 2012.**

**Potential Health Effects:**

**Suspected of damaging fertility or the unborn child.**

**Specific Target Organ Toxicity-Repeated Exposure:**

**STOT-Repeated: (rat) (Target Kidney (Category 2) via oral**

**NOAEL (oral 90 days=50mg/kg/day; base on the renal tubular epithelial degeneration and renal tubular dilatation of the test animals. GHS-J has classified this substance as a Category 2 hazard on kidneys upon repeated exposure.**

**Potential Health Effects:**

**May cause damage to kidneys through prolonged or repeated exposure. Route of exposure: Oral.**

**Acute Toxicity:**

**Overall Product:**

**Dermal, (no data available, calculated): ATE 200-1000 mg/kg**

**Inhalation, dust/mist 4 hour, (no data available, calculated): ATE 1-5 mg/l**

**Ingestion, (no data available, calculated): ATE 300 – 2000mg/hg**

**ATE = Acute Toxicity Estimate**

**Skin Corrosion/Irritation: In vivo data: Irritant**

**Serious Eye Damage/Irritation: Severe Irritant**

**4-Nonylphenol branched with isomers:**

**Dermal: Rabbit LD50 > 2000mg/kg**

**Ingestion: Rat LD50 1531 mg/kg**

**4,4-Methylenebis(2-methylcyclohexylamine):**

**Dermal: Rabbit LD50 > 200 mg/kg**

**Inhalation: dust/mist 4 hour, rat, LC50 > 0.42 mg/l**

**Ingestion: Rat, LD50 > 320 mg/kg**

**Benzyl Alcohol:**

**Inhalation: dust/mist 4 hour, Rat, LC50 8.8 mg/l**

**Ingestion: Rat, LD50 1,230 mg/kg**

**Respiratory Sensitization:**

**For the component(s), either no data is currently available or the data is not sufficient for classification.**

**Germ Cell Mutagenicity:**

**4-Nonylphenol, branched with isomers:**

**Route: Invitro Value: Not mutagenic**

**4,4-Methylenebis(2-methylcyclohexylamine):**

**Route: Invitro Value: Not mutagenic**

**Benzyl Alcohol:**

**Route: Invitro Value: Some positive data exist, but the data is not sufficient for classification.**

**Carcinogenicity:**

**Benzyl Alcohol:**

**Route: Ingestion (multiple animals), Not carcinogenic**

**Reproductive Toxicity:**

**4-Nonylphenol, branched with isomers: Route Ingestion**

**\*Value: Some positive male reproductive data exist, but the data is not sufficient for classification. Rat, result: NOAEL 400 mg/kg/day Exposure Duration: 28 days**

**\*Value: Toxic to female reproduction. Official Classification. NOAEL not available.**

**\*Value: Toxic to development. Official Classification. NOAEL not available.**

**4,4-Methylenebis(2-methylcyclohexylamine): Route Ingestion**

**\*Value: Some positive male reproductive data exist, but the data is not sufficient for classification. Rat, result: NOAEL 12 mg/kg/day. Exposure Duration: 3 months**

**\*Value: Some positive male reproductive data exist, but the data is not sufficient for classification. Rat, result: NOAEL 45 mg/kg/day, during gestation.**

**Route Inhalation**



**\*Value: Some positive male reproductive data exist, but the data is not sufficient for classification. Rat, result: NOAEL 0.048 mg/l, 3 months.**

**Benzyl Alcohol: Route Ingestion**

**\*Value: Not toxic to development. Mouse, result: NOAEL 550 mg/kg/day, during organogenesis.**

**Target Organs:**

**SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE**

**N,N-Methylenebis(2-methylcyclohexylamine): Route: Inhalation**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ: respiratory irritation. Rat, result: NOAEL not available.**

**Benzyl Alcohol: Route Inhalation**

**\*Value: May cause drowsiness or dizziness.**

**Target Organ: central nervous system depression. NOAEL not available.**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ: respiratory irritation. NOAEL not available.**

**Route Ingestion**

**\*Value: May cause drowsiness or dizziness.**

**Target Organ: central nervous system depression. NOAEL not available.**

**SPECIFIC TARGET ORGAN TOXICITY, REPEATED EXPOSURE**

**4-Nonylphenol branched with isomers: Route Ingestion**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ(s): endocrine system, hematopoietic system, liver.**

**Rat, result NOAEL 400 mg/kg/day Duration 28 days.**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ(s): kidney and/or bladder.**

**Rat, result NOAEL 150 mg/kg/day Duration 90 days.**

**\*Value: All data is negative.**

**Target Organ(s): heart/bone/teeth/nails/hair/immune system/muscles/nervous system/ respiratory system.**

**Rat, result NOAEL 150 mg/kg/day Duration 90 days.**

**4,4-methylenebis(2-methylcyclohexylamine) Route Ingestion**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ(s): heart**

**Rat, result NOAEL 2.5 mg/kg/day Duration 3 months.**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ(s): hematopoietic system, liver**

**Rat, result NOAEL 12 mg/kg/day Duration 3 months.**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ(s): endocrine system, kidney and/or bladder**

**Rat, result NOAEL 60 mg/kg/day Duration 3 months.**

**Benzyl Alcohol Route Ingestion**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ(s): endocrine system, kidney and/or bladder**

**Rat, result NOAEL 400 mg/kg/day Duration 13 weeks.**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**

**Target Organ(s): nervous system, respiratory system**

**Mouse, result NOAEL 645 mg/kg/day Duration 8 days.**

**4,4-Methylenebis(2-methylcyclohexylamine) Route Inhalation**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**



**Target Organ(s): hematopoietic system**  
**Rat, result NOAEL 0.012 mg/l Duration 3 months.**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**  
**Target Organ(s): endocrine system, kidney and/or bladder, respiratory system**  
**Rat, result NOAEL 0.048 mg/l Duration 3 months.**

**\*Value: Some positive data exist, but the data is not sufficient for classification.**  
**Target Organ(s): skin**  
**Human, result NOAEL not available, occupational exposure.**

**Aspiration Hazard:**

**There is no data currently available or the data is not sufficient for classification.**

## **12. ECOLOGICAL INFORMATION**

**For Ecological Information please email [techcenter@instantca.com](mailto:techcenter@instantca.com)**

## **13. DISPOSAL INFORMATION**

**DISPOSAL METHOD: Dispose of following all Federal, State, and Local requirements for disposal.**

**PRODUCT DISPOSAL: Dispose of in a manner consistent with Federal, State, and Local regulations.**

**EMPTY CONTAINER: Dispose of in a manner consistent with Federal, State, and Local regulations.**

## **14. TRANSPORTATION INFORMATION**

**DOT (United States Department of Transportation)**  
**Ground Limited Quantity**

**VESSEL, (United States Department of Transportation)**  
**UN Number: UN2922, CORROSIVE LIQUID, TOXIC, N.O.S. (4,4-METHYLENEBIS(2-METHYLCYCLOHEXYLAMINE)AND 4-NONYL PHENOL, BRANCHED), 8, (6.1), III, LIMITED QUANTITY, MARINE POLLUANT, (4,4-METHYLENEBIS(2-METHYLCYCLOHEXYLAMINE) AND 4-NONYL PHENOL, BRANCHED)**

**IATA (International Air Transportation Association)**  
**UN2922, CORROSIVE LIQUID, TOXIC, N.O.S. (4,4-METHYLENEBIS(2-METHYLCYCLOHEXYLAMINE)AND 4-NONYL PHENOL, BRANCHED), 8, (6.1), III**

**IMO (International Maritime Organization)**  
**UN2922, CORROSIVE LIQUID, TOXIC, N.O.S. (4,4-METHYLENEBIS(2-METHYLCYCLOHEXYLAMINE)AND 4-NONYL PHENOL, BRANCHED), 8, (6.1), III, LIMITED QUANTITY, MARINE POLLUANT, (4,4-METHYLENEBIS(2-METHYLCYCLOHEXYLAMINE) AND 4-NONYL PHENOL, BRANCHED)**

## **15. REGULATORY INFORMATION**

**SARA Superfund Amendments and Reauthorization Act of 1986**

**Section 302 Extremely Hazardous Substances: None of the ingredients is listed.**

**Section 313 Toxics Release Inventory (TRI) Reporting: None of the ingredients is listed.**

**Section 311/312 Hazardous Chemical Inventory Reporting:**

**84852-15-3 4-Nonylphenol, branched 40-60%**  
**6864-37-5 2,2-Dimethylenebis(2-cyclohexylamine) 30-40%**

**Section 311/312 Hazard Abbreviations**

**A=Acute Health Hazard**

**C=Chronic Health Hazard**

**F=Fire Hazard**

**R=Reactive Hazard**



**S=Sudden Release of Pressure Hazard**

**TSCA (Toxic Substance Control Act)**

**All ingredients are listed or exempt from listing.**

**California Proposition 65: None of the ingredients is listed.**

**Chemicals Known to Cause Cancer: None of the ingredients is listed.**

**Chemicals Known to Cause Reproductive Toxicity For Females: None of the ingredients is listed.**

**Chemicals Known to Cause Reproductive Toxicity For Males: None of the ingredients is listed.**

**Chemicals Known to Cause Developmental Toxicity: None of the ingredients is listed.**

**Carcinogenic Categories**

**EPA (Environmental Protective Agency): None of the ingredients is listed.**

**IARC (International Agency for Research on Cancer): None of the ingredients is listed.**

**NTP (National Toxicology Program): None of the ingredients is listed.**

**OSHA (Occupational Safety and Health Administration): None of the ingredients is listed.**

**Canada**

**Canadian Domestic Substance Listings: All ingredients are listed.**

**Canadian Ingredient Disclosure List (limit 0.1%): None of the ingredients is listed.**

**16. OTHER INFORMATION**

**Initial: 8/22/2007**

**Revised: JUNE 2015**

HMIS  
NFPA

HEALTH 3  
HEALTH 3

FLAMMABILITY 1  
FIRE HAZARD 1

REACTIVITY 0  
REACTIVITY 0

**NON-WARRANTY:** Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State, and Local laws and regulations.

**Revised JUNE/2015**