SAFETY DATA SHEET

Product: **805-A**
Revision Date: 6/01/2015

1. MATERIAL IDENTIFICATION

Product Name: **Aremco-Bond 805-A Activator**

Product Description: Polyamine Mixture, Clear Amber, Amine Odor
Product Use: High Performance Adhesive Hardener

Manufacturer: Aremco Products, Inc.
707-B Executive Blvd.
Valley Cottage, NY 10989

Telephone: 845-268-0039
Emergency Phone: 845-268-0039 or Infotrac (24/7) 800-535-5053

2. HAZARDS IDENTIFICATION

GHS Classification:

Skin Corrosion	Category 1B
Skin Sensitization	Category 1
Eye Damage/Irritation	Category 1
Combustible Liquid	Category 4

GHS Label Elements:

GHS Signal Word:
Danger

GHS Hazard Determining Components:
Fatty Acids, Tall-Oil, Reaction Products with Teraethylenepentamine
3,6,9-Triazaundecamethylenediamine
3-Aminomethyl-3,5,5-Trimethylcyclohexylamine
Reaction Product: Bisphenol-A-(Epichlorhydrin) Epoxy Resin
3,6-Diazaoctanethylenediamine

GHS Hazard Statements for Health Hazards:

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H227	Combustible liquid.

GHS Precautionary Statements - Prevention:

P210	Keep away from flames and hot surfaces; no smoking.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves and eye/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.

GHS Precautionary Statements – Response:

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P303+P361+P353	IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs, get medical attention.
P363	Wash contaminated clothing before reuse.
P310	Immediately call a poison center or doctor.
P370+P378	In case of fire, use CO_2, extinguishing powder or water spray.

GHS Storage/Disposal:
P403+P235 Store in a well-ventilated place and keep cool
P501 Dispose in accordance with local, regional, national or international regulations.

3. COMPOSITION

Chemical Name	CAS No.	EC No.	Concentration	GHS Product Identifier
Fatty Acids, Tall-Oil, Reaction Products with Teraethylenepentamine	68953-36-6	273-201-6	50.0-100.0%	H227 Combustible Liquid, Cat 4 H314 Skin Corrosion//Irritation, Cat 1B H317 Sensitization, Skin, Cat 1 H318 Eye Damage/Irritation, Cat 1
3,6,9-Triazaundecamethylenediamine	112-57-2	203-986-2	10.0-25.0%	H302 Acute Toxicity, Oral, Cat 4 H312 Acute Toxicity, Dermal, Cat 4 H314 Skin Corrosion//Irritation, Cat 1B H317 Sensitization, Skin, Cat 1 H318 Eye Damage/Irritation, Cat 1
3-Aminomethyl-3,5,5-Trimethylcyclohexylamine	2855-13-2	220-666-8	5.0-10.0%	H302 Acute Toxicity, Oral, Cat 4 H312 Acute Toxicity, Dermal, Cat 4 H314 Skin Corrosion//Irritation, Cat 1B H317 Sensitization, Skin, Cat 1
Reaction Products: Bisphenol-A-(Epichlorhydrin) Epoxy Resin (number average molecular weight <= 700)	25068-38-6	500-033-5	5.0-10.0%	H315, Skin Corrosion/Irritation, Cat 2 H317 Sensitization, Skin, Cat 1 H319 Eye Damage/Irritation, Cat 2A
3,6-Diazaoctanethylenediamine	112-24-3	203-950-6	1.0-2.5%	H302 Acute Toxicity, Oral, Cat 4 H312 Acute Toxicity, Dermal, Cat 4 H314 Skin Corrosion//Irritation, Cat 1B H317 Sensitization, Skin, Cat 1

4. FIRST AID MEASURES

***Eye Exposure*:**
Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If a physician is not immediately available, eye irrigation should be continued for an additional 15 minutes.

***Skin Exposure*:**
Immediately wipe excess material off skin with a dry cloth then wash with plenty of soap and water for at least 5 minutes. See medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean thoroughly before re-use.

Inhalation:
Remove from immediate source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Seek medical attention. Symptoms can be delayed several hours.

***Ingestion*:**
If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of milk or water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give additional milk or water to further dilute the chemical.

5. FIRE FIGHTING MEASURES

Flash Point: 201 ^{o}F (94 ^{o}C) Closed Cup
Flammable Limits: Not available.
Auto-Ignition Temperature: Product is not self-igniting and does not represent an explosion hazard.
Extinguishing Media: Use carbon dioxide, dry chemical, foam, or water spray.
Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved positive pressure breathing apparatus with full face-piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Extreme heat or water contamination may cause closed containers to explode.

6. ACCIDENTAL RELEASE MEASURES

***Personal Protection*:** Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs. Ensure adequate ventilation.

Spill Cleanup: Mop up liquid and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and dispose in accordance with federal, state and local regulations or permits. Flush area with solvent then water to complete cleanup.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Keep container closed. Promptly clean residue from closures with cloth and solvent. Promptly clean up spills.

Storage: Store at room temperature in a dry, well ventilated area, away from combustible material, and away from ignition sources. Keep containers closed. Store in clean plastic or steel containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	CAS No.	EC No.	TLV (mg/m^3)	PEL (mg/m^3)
3,6,9-Triazaundecamethylenediamine	112-57-2	203-986-2	5	5
3,6-Diazaoctanethylenediamine	112-24-3	203-950-6	6	6

Engineering Controls: Normal ventilation for good working conditions should be used. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

Respiratory Protection: This product is not considered respirable in either the liquid or cured forms. However, if the cured product is polished, ground or chipped during processing, handling or use, powders may be released as airborne respirable particles. In these instances, appropriate personal protection equipment and local ventilation controls must be employed. If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved vapor respirator is required.

Skin Protection: Wear body-covering protective clothing and gloves.

***Eye Protection*:** Wear chemical goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Color: Light Yellow
Odor: Amine Odor
Odor Threshold: Not Determined
pH: Not Determined
Melting Point Range: Not Determined
Boiling Point Range: 424 °F (218 °C)
Flash Point: 201 °F (94 °C) Closed Cup
Flammability (solid, gaseous): Not Applicable
Ignition Temperature: 716 °F (380 °C) Closed Cup
Decomposition Temperature: Not Determined
Auto Igniting: Product is not self-igniting
Danger of Explosion: Product does not present an explosion hazard
Explosion Limits
Lower: Not Determined
Upper: Not Determined
Vapor Pressure (mm Hg): < 1 @ 25 °C
Density: 0.9753 g/cc @ 20 °C
Relative Density: Not Determined
Vapor Density: Not Determined
Evaporation Rate: Not Determined
Solubility in / Miscibility Water: Not miscible or difficult to mix
Partition Coefficient (n-Octanol/Water): Not Determined
Viscosity, Dynamic: Not Determined
Viscosity, Kinematic: Not Determined
Volatile Organic Compounds: 0.00 g/l

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal conditions of use and storage.
Conditions to Avoid: None if used according to specifications.
Materials to Avoid: Lewis or mineral acids, organic bases such as primary and secondary aliphatic amines, ketones, aldehydes, and oxidizing agents. A reaction accompanied by large heat release occurs when the product is mixed with acids.
Hazardous Polymerization: May occur with epoxy resins in large masses.
Hazardous Decomposition Materials: Nitrogen oxides, ammonia, carbon monoxide and unidentified organic compounds (some containing nitrogen) may be formed during thermal or oxidative decomposition or combustion. Nitrogen oxide can react with water vapors to form corrosive nitric acid.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

CAS# 68953-36-6 Fatty acids, tall oil, reaction products with tetraethylenepentamine
Oral LD50 > 2000 mg/kg (rat)
Dermal LD50 <= 2000 mg/kg (rabbit

CAS# 112-57-2 Tetraethylenepentamine
Dermal LD50 660 mg/kg (rabbit)

Primary Irritant Effect:
On the Skin: Strong caustic effect on skin and mucous membranes.
On the Eye: Strong irritant with the danger of severe eye injury.
Sensitization: Sensitization is possible through inhalation.
Sensitization is possible through skin contact.

Carcinogenic Effects: The product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Other: Product may be toxic if ingested. Swallowing will lead to a strong caustic effect on the mouth and throat and to the danger of perforation of esophagus and stomach.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: No further relevant information available.
Persistence & Degradability: No further relevant information available.
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil: No further relevant information available.
Ecotoxicity: Harmful to fish.
General Notes: Water hazard class 2 (self-assessment): hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms.
Results of PBT & vPvB Assessment:
PBT: Not applicable.
VPvB: Not applicable
Other Adverse Effects: No further information available.

13. DISPOSAL CONSIDERATIONS

Disposal: Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the environment occurs or is likely to occur. Utilize an appropriate disposal facility, in compliance with federal, state and local environmental control regulations.

14. TRANSPORTATION INFORMATION

DOT UN Status: The material is not a regulated hazardous material for transportation.

15. REGULATORY INFORMATION

U.S. Federal Regulations

CERCLA: No CERCLA reportable quantity has been established for this material.

TSCA: All ingredients of this material are listed on the TSCA inventory.

SARA Title III

Sections 302, 304, 313: This product does not contain any substances reportable under these sections.

Sections 311, 312:

Hazard Classes	Yes/No
Fire Hazard	No
Reactivity Hazard	No
Pressure Hazard	No
Immediate Hazard	Yes
Delayed Hazard	No

International Inventory	Status
Canada (DSL)	Yes
Europe (EINECS/ELINCS)	Yes
Australia (AICS)	Yes
Japan (MITI)	Yes
South Korea (KECL)	Yes

16. OTHER INFORMATION

NFPA Ratings (scale 0 – 4)	Health, 3 Flammability, 1 Reactivity, 0 Personal Protection, H	
HMIS Ratings (scale 0 – 4)	Health, 3 Flammability, 1 Reactivity, 0 Personal Protection, H	

Key Legend Information

ACGIH	American Conference of Governmental Industrial Hygienists
ARD	International Agency for Research on Cancer
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
DSL	Domestic Substance List
EC	European Commission
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
ND	Not Determined
NE	Not Established
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RE	Repeat Exposure
SARA	Superfund Amendments & Reauthorization Act
SARA Title III	Emergency Planning & Community Right to Know Act
SARA Section 302	Extremely Hazardous Substances
SARA Section 304	Emergency Release
SARA Section 311	MSDS/List of Chemicals & Hazardous Inventory
SARA Section 312	Emergency & Hazardous Inventory
SARA Section 313	Toxic Chemicals & Release Reporting
SE	Single Exposure
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TWA	Time Weighted Average

SAFETY DATA SHEET

Product: **805-B**
Revision Date: 6/01/2015

1. MATERIAL IDENTIFICATION

Product Name: **Aremco-Bond 805-B Base Resin**

Product Description: Epoxy Resin Mixture, Grey, Aromatic Odor
Product Use: High Performance Thermally Conductive Adhesive Resin

Manufacturer: Aremco Products, Inc.
707-B Executive Blvd.
Valley Cottage, NY 10989

Telephone: 845-268-0039
Emergency Phone: 845-268-0039 or Infotrac (24/7) 800-535-5053

2. HAZARDS IDENTIFICATION

GHS Classification:

Skin Irritation	Category 2
Skin Sensitization	Category 1
Eye Irritation	Category 2A
Mutagenic	Category 2
Carcinogenic	Category 2

GHS Label Elements:

GHS Signal Word:
Danger

GHS Hazard Determining Components:
Epoxy Phenol Novolac Resin
Reaction Product: Bisphenol-A-(Epichlorhydrin) Epoxy Resin (number average molecular weight <= 700)
n-Butyl Glycidyl Ether

GHS Hazard Statements for Health Hazards:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.

GHS Precautionary Statements - Prevention:

P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear eye/face protection.
P281	Use personal protective equipment as required.

GHS Precautionary Statements – Response:

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs, get medical attention.
P362	Take off contaminated clothing and wash before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.
P313+P337	If eye irritation persists, get medical attention.
P308+P313	IF exposed or concerned: Get medical advice/attention.

GHS Storage/Disposal:

P403+P235	Store in a well-ventilated place and keep cool.
P501	Dispose in accordance with local, regional, national or international regulations.

3. COMPOSITION

Chemical Name	CAS No.	EC No.	Concentration	GHS Product Identifier
Epoxy Phenol Novolac Resin	25068-38-6	500-033-5	10.0-20.0%	H315 Skin Corrosion/Irritation, Cat 2 H317 Sensitization, Skin, Cat 1 H319 Eye Damage/Irritation, Cat 2A
Reaction Products: Bisphenol-A-(Epichlorhydrin) Epoxy Resin (number average molecular weight <= 700)	25068-38-6	500-033-5	10.0-20.0%	H315 Skin Corrosion/Irritation, Cat 2 H317 Sensitization, Skin, Cat 1 H319 Eye Damage/Irritation, Cat 2A
n-Butyl Glycidyl Ether	2426-08-6	219-376-4	2.5-10.0%	H315 Skin Corrosion/Irritation, Cat 2 H317 Sensitization, Skin, Cat 1 H319 Eye Damage/Irritation, Cat 2A H341 Germ Cell Mutagenicity, Cat 2 H351 Carcinogenicity, Cat 2
Aluminum Powder	7429-90-5	231-072-3	40.0-60.0%	H228 Flammable Solids, Cat 1 H261 Substances & Mixtures Which, In Contact With Water, Emit Flam. Gases, Cat 3
Calcium Carbonate	471-34-1	207-439-9	10.0-25.0%	None

Note:
This product is a liquid mixture and all powders are encapsulated.

4. FIRST AID MEASURES

***Eye Exposure*:**
Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If a physician is not immediately available, eye irrigation should be continued for an additional 15 minutes.

***Skin Exposure*:**
Immediately wipe excess material off skin with a dry cloth then wash with plenty of soap and water for at least 5 minutes. See medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean thoroughly before re-use.

Inhalation:
Remove from immediate source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Seek medical attention. Symptoms can be delayed several hours.

***Ingestion*:**
If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of milk or water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give additional milk or water to further dilute the chemical.

5. FIRE FIGHTING MEASURES

Flash Point:	219 ^{o}F (104 ^{o}C) Closed Cup
Flammable Limits:	Not available.
Auto-Ignition Temperature:	Product is not self-igniting and does not represent an explosion hazard.
Extinguishing Media:	Use carbon dioxide, dry chemical, foam, or water spray.
Special Fire Fighting Procedures:	Firefighters should wear NIOSH/MSHA approved positive pressure breathing apparatus with full face-piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Extreme heat or water contamination may cause closed containers to explode.

6. ACCIDENTAL RELEASE MEASURES

***Personal Protection*:**	Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs. Ensure adequate ventilation.
Spill Cleanup:	Mop up liquid and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and dispose in accordance with federal, state and local regulations or permits. Flush area with solvent then water to complete cleanup.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Keep container closed. Promptly clean residue from closures with cloth and solvent. Promptly clean up spills.

Storage: Store at room temperature in a dry, well ventilated area, away from combustible material, and away from ignition sources. Keep containers closed. Store in clean plastic or steel containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	CAS No.	EC No.	TLV (mg/m^3)	PEL (mg/m^3)
n-Butyl Glycidyl Ether	2426-08-6	219-376-4	16	270

Engineering Controls: Normal ventilation for good working conditions should be used. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

Respiratory Protection: This product is not considered respirable in either the liquid or cured forms. However, if the cured product is polished, ground or chipped during processing, handling or use, powders may be released as airborne respirable particles. In these instances, appropriate personal protection equipment and local ventilation controls must be employed. If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved vapor respirator is required.

Skin Protection: Wear body-covering protective clothing and gloves.

***Eye Protection*:** Wear chemical goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Color: Grey
Odor: Aromatic Odor
Odor Threshold: Not Determined
pH: Not Determined
Melting Point Range: Not Determined
Boiling Point Range: Not Determined
Flash Point: 219 °F (104 °C) Closed Cup
Flammability (solid, gaseous): Not Applicable
Ignition Temperature: 419 °F (215 °C) Closed Cup
Decomposition Temperature: Not Determined
Auto Igniting: Product is not self-igniting
Danger of Explosion: Not Determined
Explosion Limits
Lower: Not Determined
Upper: Not Determined
Vapor Pressure (mm Hg): < 1 @ 25 °C
Density: 1.89 g/cc @ 20 °C
Relative Density: Not Determined
Vapor Density: Not Determined
Evaporation Rate: Not Determined
Solubility in / Miscibility Water: Fully miscible
Partition Coefficient (n-Octanol/Water): Not Determined
Viscosity, Dynamic: Not Determined
Viscosity, Kinematic: Not Determined
Volatile Organic Compounds: 0.00 g/l

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal conditions of use and storage.
Conditions to Avoid: Avoid elevated temperatures.
Materials to Avoid: Strong acids, strong bases, strong oxidizers, amines, and mercaptans.
Hazardous Polymerization: May occur if mixed with amines in large masses and/or with heat.
Hazardous Decomposition Materials: Carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data: CAS# 2426-08-6 n-Butyl Glycidyl Ether
Oral LD50 2050 mg/kg (rat)
Dermal LD50 2520 mg/kg (rabbit

Primary Irritant Effect:
On the Skin: Irritant to skin and mucous membranes.
On the Eye: Irritating effect.
Sensitization: Sensitization is possible through skin contact.

Carcinogenic Effects: The product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: No further relevant information available.
Persistence & Degradability: No further relevant information available.
Bioaccumulative Potential: No further relevant information available.
Mobility in Soil: No further relevant information available.
Ecotoxicity: Harmful to fish.
General Notes: Water hazard class 2 (self-assessment): hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms.
Results of PBT & vPvB Assessment:
PBT: Not applicable.
VPvB: Not applicable
Other Adverse Effects: No further information available.

13. DISPOSAL CONSIDERATIONS

Disposal: Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the environment occurs or is likely to occur. Utilize an appropriate disposal facility, in compliance with federal, state and local environmental control regulations.

14. TRANSPORTATION INFORMATION

DOT UN Status: The material is not a regulated hazardous material for transportation.

15. REGULATORY INFORMATION

U.S. Federal Regulations

CERCLA: No CERCLA reportable quantity has been established for this material.

TSCA: All ingredients of this material are listed on the TSCA inventory.

SARA Title III

Sections 302, 304, 313: This product does not contain any substances reportable under these sections.

Sections 311, 312:

Hazard Classes	Yes/No
Fire Hazard	No
Reactivity Hazard	No
Pressure Hazard	No
Immediate Hazard	Yes
Delayed Hazard	No

International Inventory	Status
Canada (DSL)	Yes
Europe (EINECS/ELINCS)	Yes
Australia (AICS)	Yes
Japan (MITI)	Yes
South Korea (KECL)	Yes

16. OTHER INFORMATION

NFPA Ratings (scale 0 – 4)	Health, 1 Flammability, 1 Reactivity, 0 Personal Protection, H	
HMIS Ratings (scale 0 – 4)	Health, 1 Flammability, 1 Reactivity, 0 Personal Protection, H	

Key Legend Information

ACGIH	American Conference of Governmental Industrial Hygienists
ARD	International Agency for Research on Cancer
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
DSL	Domestic Substance List
EC	European Commission
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
ND	Not Determined
NE	Not Established
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RE	Repeat Exposure
SARA	Superfund Amendments & Reauthorization Act
SARA Title III	Emergency Planning & Community Right to Know Act
SARA Section 302	Extremely Hazardous Substances
SARA Section 304	Emergency Release
SARA Section 311	MSDS/List of Chemicals & Hazardous Inventory
SARA Section 312	Emergency & Hazardous Inventory
SARA Section 313	Toxic Chemicals & Release Reporting
SE	Single Exposure
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TWA	Time Weighted Average