

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**1 Identification**

- **Product identifier**
- **Trade name:** **PICCOLYTE® S85**
- **Product Description** polyterpene resin
- **Article number:** 108811
- **Application of the substance / the mixture**
  - Tackifier resin in pressure-sensitive and hot-melt adhesives
  - Modifier resin in rubber compounding
  - Wax modifier for paper laminations
  - Waterproofing agent in textile sizing applications
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  - Pinova Incorporated
  - 2801 Cook Street
  - Brunswick, Georgia 31520
  - msds@pinovasolutions.com
- **Information department:**
  - Pinova, Inc. - Regulatory Affairs Department
  - msds@pinovasolutions.com
- **Emergency telephone number:**
  - Within USA and Canada: 1-800-CHEMTREC (424-9300)
  - Outside the USA and Canada: 1-703-527-3887

**2 Hazard(s) identification**

- **Classification of the substance or mixture**
  - Combustible Dust May form combustible dust concentrations in air.
- **Label elements**
- **GHS label elements**
  - The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms** Void
- **Signal word** Warning
- **Hazard statements**
  - May form combustible dust concentrations in air.
- **Precautionary statements**

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P234	Keep only in original container.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves / eye protection.
P301+P312	If swallowed: Call a doctor if you feel unwell.

(Contd. on page 2)

US

## Safety Data Sheet

acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 1)

- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.*
- P302+P352 If on skin: Wash with plenty of soap and water.*
- P304+P312 IF INHALED: Call a doctor if you feel unwell.*
- P304+P341 If inhaled: If breathing is difficult, 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.*
- P314 Get medical advice/attention if you feel unwell.*
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.*
- P363 Wash contaminated clothing before reuse.*
- P402+P404 Store in a dry place. Store in a closed container.*
- 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.*

**Information pertaining to particular dangers for man and environment:**

**WARNING!**

Static charges generated by emptying package in or near flammable vapors may cause flash fire. May form flammable dust-air mixtures.

Surfaces subject to spills may become slippery.

**POTENTIAL HEALTH EFFECTS**

May cause eye irritation by mechanical abrasion.

May cause skin irritation by mechanical abrasion.

Inhalation may cause respiratory tract irritation.

**GENERAL HYGENIC PRACTICES** - Avoid contact with eyes, skin, and clothing. Avoid breathing vapor, fumes or mist. Handle in areas with adequate ventilation.

Refer to Section 5 for Hazardous Combustion Products and Section 10 for Hazardous Decomposition/Hazardous Polymerization Products.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



**HMIS-ratings (scale 0 - 4)**



**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not a PBT.

**vPvB:** Not a vPvB.

### 3 Composition/information on ingredients

**Chemical characterization: Substances**

**CAS No.:** Mixture

(Contd. on page 3)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 2)

- **CAS No. Description**  
Mixture
- **Additional information:**  
This product is considered hazardous according to the OSHA Hazard Communication Standard 29CFR1910.1200 due to flammable dust potential.
- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Remove to fresh air. Get medical attention if nasal, throat or lung irritation develops.
- **After skin contact:**  
Wash with soap and water. Get medical attention if irritation develops or persists.  
HOT MOLTEN product: Immediately cool skin burns with water and cold packs for at least 15 minutes. Do NOT put ice directly on the skin. Do NOT attempt to remove solidified resin from the skin as severe tissue damage may result.  
Get immediate medical attention. See Note to Physician.
- **After eye contact:**  
Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists.  
HOT MOLTEN product: Cool burns with plenty of low-pressure water. Get immediate medical attention.
- **After swallowing:**  
Not an ingestion hazard under anticipated conditions of use.  
For accidental ingestion: Do NOT induce vomiting. Get immediate medical attention.
- **Information for doctor:**  
For HOT MOLTEN or HOT LIQUID product: Material should not be forcibly removed from the skin. Mineral oil may be used to loosen and soften the material.
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Water spray, dry chemical, foam, carbon dioxide or clean extinguishing agents may be used on fires involving this product.  
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**  
If heated to combustion, the following substances may be formed:  
Carbon monoxide (CO)  
Carbon Dioxide (CO<sub>2</sub>)

(Contd. on page 4)

US

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 3)

Aldehydes  
Carboxylic acids  
Smoke

· **Advice for firefighters**

· **Protective equipment:**

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear when fighting fires involving this product.

Cool containers with water to prevent rupture.

**6 Accidental release measures**

· **Personal precautions, protective equipment and emergency procedures**

Ventilate area. Avoid dust formation. Clean up spills immediately.

If product is not contaminated, scoop into clean containers for use. If product is contaminated, scoop into containers, and dispose appropriately. In case of accidental spill or release, refer to Section 8, Personal Protective Equipment and General Hygiene Practices.

This product contains a petroleum hydrocarbon. Prevent runoff from spills or leaks entering navigable waters, streams or other bodies of water. If runoff occurs, notify the National Response Center (NRC) at 800-424-8802.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:** Pick up mechanically.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

None of the ingredients is listed.

· **PAC-2:**

None of the ingredients is listed.

· **PAC-3:**

None of the ingredients is listed.

**7 Handling and storage**

· **Handling:**

· **Precautions for safe handling**

Ground all equipment.

Blanket vessel with inert gas when emptying bags where flammable vapors may be present.

Ground operator and pour material slowly into conductive, grounded chute.

For large bags (1000 lbs or greater) a ground cable **MUST** be attached to the bag ground connection.

For **HOT MOLTEN** or **HOT LIQUID** product: Use personal protective equipment as indicated in Section 8: Exposure Controls/Personal Protection.

(Contd. on page 5)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 4)

- **Information about protection against explosions and fires:**  
Avoid conditions that generate dust; product may form flammable dust-air mixtures.  
Avoid emptying package in or near flammable vapors; static charges may cause flash fire.  
Keep away from heat, flame, sparks and other ignition sources.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in cool, dry area.  
Keep container closed when not in use.  
Control inventory.  
Rotate stock periodically.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:**  
Eyewash fountains and safety showers should be easily accessible.  
  
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Discharge from the ventilation system should comply with applicable air pollution control regulations.  
Keep floors clean and dry. Clean up spills immediately.  
Eliminate ignition sources and prevent build-up of static electrical charges.  
Completely isolate and thoroughly clean all equipment, piping, or vessels before beginning maintenance or repairs.  
Keep area clean.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional Occupational Exposure Limit Values for possible hazards during processing:**  
PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED (PNOS): If used under conditions that generate particulates, the ACGIH TLV-TWA of 2 mg/m<sup>3</sup> respirable fraction (10 mg/m<sup>3</sup> total) should be observed.  
ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA) 2 mg/m<sup>3</sup> TWA (inhalable fraction and vapor)  
  
U.S. - OSHA - Vacated PELs - TWAs 10 mg/m<sup>3</sup> TWA
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Avoid contact with eyes, skin, and clothing.  
Avoid breathing dust.  
Handle in areas with adequate ventilation.  
Avoid contamination of food, beverages, or smoking material.

(Contd. on page 6)

US

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 5)

Wash thoroughly after handling, and before eating, drinking or smoking.  
Remove contaminated clothing promptly and clean thoroughly before reuse.

· **Breathing equipment:**

Appropriate respiratory protection is required when exposure to airborne contaminants may exceed acceptable limits. Respirators should be selected and used in accordance with OSHA, Subpart I (29 CFR 1910.134) and manufacturers recommendations.

· **Protection of hands:** Impervious gloves

· **Eye protection:** Safety glasses

· **Body protection:**

Appropriate protective clothing

Personnel exposed to HOT MOLTEN or HOT LIQUID material should wear protective clothing that provides protection against thermal burns. Required Protective Equipment: a) Longsleeved protective shirt, long pants and work shoes; b) Hard hat and face shield; c) Long-cuff gloves (Gauntlet type-extending beyond wrist); d) Lined rain suit with protective hood or shoulder shroud or e) Full aluminized or thermal suit with hood.

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· <b>Form:</b>	Solid
· <b>Color:</b>	light amber
· <b>Odor:</b>	typical terpene
· <b>Odor threshold:</b>	Not applicable
· <b>Percent Volatile</b>	Negligible %
· <b>Specific Gravity</b>	0.98 @ 25°C

· **pH-value:** Not applicable.

· **Change in condition**

· **Softening Point** 82 - 88 °C (179.6 - 190.4 °F) (Ring & Ball)

· **Flash point:** 224 °C (435.2 °F)

· **Flammability (solid, gaseous):** Product is not flammable.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/dust mixtures are possible.

· **Explosion limits:**

· **Oxidizing properties** The substance does not contain any chemical groups associated with oxidizing properties.

· **Density:**

· <b>Bulk density:</b>	Not determined
· <b>Evaporation rate</b>	slower than butyl acetate

· **Solubility in / Miscibility with**

· **Water:** Insoluble.

(Contd. on page 7)

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 6)

- |                            |  |
|----------------------------|--|
| · <b>Solvent content:</b>  |  |
| <b>Organic solvents:</b>   | 0.0 %                                      |
| · <b>Solids content:</b>   | 100.0 %                                    |
| · <b>Other information</b> | No further relevant information available. |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Stable under recommended handling and storage conditions.
- **Possibility of hazardous reactions**  
Not anticipated under normal or recommended handling and storage.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** None known.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
No animal toxicity studies have been carried out with the product.  
COMPONENT - terpene hydrocarbon resin: Rats and dogs fed up to 10% in the diet for 2 years exhibited no product-related effects.
- **Primary irritant effect:**
- **Skin corrosion/irritation:** No irritant effect.
- **Serious eye damage/irritation:** No irritating effect.
- **Skin Sensitization:**  
No human toxicity studies have been carried out with this product.  
Due to the physical nature of this material, may cause eye, skin and respiratory irritation by mechanical abrasion.
- **Additional toxicological information:**  
No mutagenicity studies have been carried out with this product.  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>
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None of the ingredients is listed.
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· <b>NTP (National Toxicology Program)</b>
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None of the ingredients is listed.
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(Contd. on page 8)

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 7)

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** No ecological studies have been carried out on this product.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not a PBT.
- **vPvB:** Not vPvB.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Landfilling in a permitted solid or hazardous waste facility if recommended.  
Handling, transportation, and disposal of material should be conducted in a manner to prevent a nuisance dust hazard. Fully containerize the material before handling, and protect from exposure to the outdoors. Ensure there are no restrictions on disposing of bulk or semi-bulk quantities of waste material. Disposal should be in accordance with all Federal, State and local regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                    |      |
|------------------------------------|------|
| · <b>UN-Number</b>                 |      |
| · <b>DOT, ADR, ADN, IMDG, IATA</b> | Void |
| · <b>UN proper shipping name</b>   |      |
| · <b>DOT, ADR, ADN, IMDG, IATA</b> | Void |

(Contd. on page 9)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 8)

· <b>Transport hazard class(es)</b>	
· <b>DOT, ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Remarks:</b>	This product is not subject to DOT regulations.  For specific information regarding transportation of this product, please call the Pinova representative at (888) 807-2958
· <b>UN "Model Regulation":</b>	Void

**15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

This product does not contain any chemicals subject to reporting under Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40CFR372.

None of the ingredients is listed.

· **SECTIONS 302/304**

This product is not an Extremely Hazardous Substance subject to reporting under 40CFR355.

· **SECTION 311 AND 312**

Physical Hazard:

Combustible Dust

· **CERCLA**

This product does not contain any chemicals subject to reporting as a CERCLA Hazardous Substance under 40CFR302.4.

· **RCRA**

This product is not a hazardous waste as listed in 40CFR261.33. It does not exhibit any of the hazardous characteristics listed in 40CFR261, Subpart C.

(Contd. on page 10)

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 9)

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **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.

· **New Jersey Right-to-Know List:**

CAS: 8042-47-5 | White mineral oil, petroleum

· **New Jersey Special Hazardous Substance List:**

None of the ingredients is listed.

· **Pennsylvania Right-to-Know List:**

CAS: 8042-47-5 | White mineral oil, petroleum

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms** Void

· **Signal word** Warning

· **Hazard statements**

May form combustible dust concentrations in air.

(Contd. on page 11)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 10)

**Precautionary statements**

- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P234 Keep only in original container.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection.
- P301+P312 If swallowed: Call a doctor if you feel unwell.
- P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
- P302+P352 If on skin: Wash with plenty of soap and water.
- P304+P312 IF INHALED: Call a doctor if you feel unwell.
- P304+P341 If inhaled: If breathing is difficult, 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.
- P314 Get medical advice/attention if you feel unwell.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P402+P404 Store in a dry place. Store in a closed container.
- 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.

### 16 Other information

**DISCLAIMER:** The information and recommendations contained in this Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

· **Department issuing SDS:** Regulatory Affairs Department

· **Contact:** MSDS@pinovasolutions.com

· **Date of preparation / last revision** 12/23/2019 / 1.0

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

(Contd. on page 12)

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 12/23/2019

Reviewed on 12/23/2019

**Trade name: PICCOLYTE® S85**

(Contd. of page 11)

*ELINCS: European List of Notified Chemical Substances*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*NFPA: National Fire Protection Association (USA)*  
*HMS: Hazardous Materials Identification System (USA)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*NIOSH: National Institute for Occupational Safety*  
*OSHA: Occupational Safety & Health*  
*TLV: Threshold Limit Value*  
*PEL: Permissible Exposure Limit*  
*REL: Recommended Exposure Limit*

· **Sources** Literature and company data

· \* **Data compared to the previous version altered.**

Section 15 -

SARA 311/312 physical and health hazard warnings updated to match OSHA Hazard Communications Standard 2012 Final Rule Technical Amendment effective January 1st, 2018.