

1. Product and company identification

| | |
|-----------------------------|----------------------------------------------------------------------------------------|
| Product name | : LN-206 WOOD PROJCTS AHE20606WH0 |
| Manufacturer | : Akzo Nobel Paints LLC 15885 West Sprague Road Strongsville, OH 44136 U.S.A. |
| Validation date | : 2013-03-12. |
| Print date | : 2013-03-12. |
| Responsible name | : Product Safety and Compliance |
| In case of emergency | : 1-800-545-2643 |

2. Hazards identification**Emergency overview**

| | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical state | : Liquid. |
| Signal word | : WARNING! |
| Hazard statements | CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER. |
| Precautionary measures | : Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not breathe vapor or mist. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Use personal protective equipment as required. Wash thoroughly after handling. |

Potential acute health effects

| | |
|-------------------|----------------------------------------------------------------------------|
| Inhalation | : Irritating to respiratory system. May cause sensitization by inhalation. |
| Ingestion | : No known significant effects or critical hazards. |
| Skin | : Irritating to skin. May cause sensitization by skin contact. |
| Eyes | : Irritating to eyes. |

Potential chronic health effects

| | |
|------------------------------|-------------------------------------------------------------------------------------------------------|
| Chronic effects | : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity | : Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |

Over-exposure signs/symptoms

| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma |
| Ingestion | : No specific data. |
| Skin | : Adverse symptoms may include the following: irritation redness |

2. Hazards identification

- Eyes** : Adverse symptoms may include the following:
 pain or irritation
 watering
 redness

See toxicological information (Section 11)

3. Composition/information on ingredients

| Name | CAS number | % |
|----------------------------------------|------------|--------|
| Formaldehyde | 50-00-0 | < 0.01 |
| water | 7732-18-5 | 30-<60 |
| Acetic acid ethenyl ester, homopolymer | 9003-20-7 | 30-<60 |

4. First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil then wash again with soap and water. Repeat as needed. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. Fire-fighting measures

- Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 metal oxide/oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up**
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Keep out of the reach of children.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep from freezing.

8. Exposure controls/personal protection

| Ingredient | Exposure limits |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formaldehyde | <p>ACGIH TLV (United States, 1/2011). Skin sensitizer. Notes: Substance identified by other sources as a suspected or confirmed human carcinogen. Refers to Appendix A -- Carcinogens. 2000 Adoption.</p> <p>C: 0.37 mg/m³ C: 0.3 ppm</p> <p>NIOSH REL (United States, 6/2009). Notes: See Appendix A - NIOSH Potential Occupational Carcinogen</p> <p>CEIL: 0.1 ppm 15 minute(s). TWA: 0.016 ppm 10 hour(s).</p> <p>OSHA PEL (United States, 6/2010).</p> <p>STEL: 2 ppm 15 minute(s). TWA: 0.75 ppm 8 hour(s).</p> <p>OSHA PEL 1989 (United States, 3/1989). Notes: See Table Z-2 for operations or sectors excluded from section 1910.1048 or for</p> |

8. Exposure controls/personal protection

which limit(s) is(are) stayed. Sec. 1910.1048 Formaldehyde.
 STEL: 2 ppm 15 minute(s).
 TWA: 0.75 ppm 8 hour(s).
OSHA PEL Z2 (United States, 11/2006). Notes: Sec. 1910.1048 Formaldehyde.
 STEL: 2 ppm 15 minute(s).
 TWA: 0.75 ppm 8 hour(s).

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Respiratory** : A NIOSH-approved, air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive-pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

- Physical state** : Liquid.
- Flash point** : Closed cup: 96°C (204.8°F)
- Auto-ignition temperature** : Not available.
- Flammable limits** : Not available.
- Color** : Not available.
- Odor** : not available
- pH** : 8
- Boiling/condensation point** : 100°C (212°F)
- Melting/freezing point** : 0°C (32°F)
- Specific gravity** : 1.07
- Density (lbs/gal)** : 8.929
- Vapor pressure** : Not available.

9. Physical and chemical properties

| | |
|----------------------------------|--------------------------------------------------------------|
| Vapor density | : Not available. |
| Volatility | : Not available. |
| Viscosity | : Dynamic: 100 mPa·s (100 cP) |
| Dispersibility properties | : Easily dispersible in the following materials: cold water. |
| Solubility | : Easily soluble in the following materials: cold water. |
| VOC g/l | : 36 g/l [Method 24] |

10. Stability and reactivity

| | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Chemical stability | : The product is stable. |
| Conditions to avoid | : No specific data. |
| Incompatible materials | : No specific data. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |

11. Toxicological information

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|----------------------|---------|-----------|----------|
| Formaldehyde | LC50 Inhalation Gas. | Rat | 250 ppm | 4 hours |
| | LD50 Dermal | Rabbit | 270 mg/kg | - |
| | LD50 Oral | Rat | 100 mg/kg | - |

Conclusion/Summary : Not available.

Chronic toxicity

Conclusion/Summary : Not available.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|--------------------------|---------|-----------------------|--------------------------------------|-------------|
| Formaldehyde | Eyes - Mild irritant | Human | - | 6 minutes 1 parts per million | - |
| | Eyes - Severe irritant | Rabbit | - | 24 hours 750 Micrograms | - |
| | Eyes - Severe irritant | Rabbit | - | 750 Micrograms | - |
| | Skin - Mild irritant | Human | - | 72 hours 150 Micrograms Intermittent | - |
| | Skin - Severe irritant | Human | - | 0.01 Percent | - |
| | Skin - Mild irritant | Rabbit | - | 540 milligrams | - |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 50 milligrams | - |
| Skin - Severe irritant | Rabbit | - | 24 hours 2 milligrams | - | |

Conclusion/Summary : Not available.

Sensitizer

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Classification

11. Toxicological information

| Product/ingredient name | ACGIH | IARC | EPA | NIOSH | NTP | OSHA |
|-------------------------|-------|------|-----|-------|---------|------|
| Formaldehyde | A2 | 1 | - | + | Proven. | + |

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

12. Ecological information

Ecotoxicity : No known significant effects or critical hazards.

Aquatic ecotoxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|------------------------------------------|--------------------------------------------------------|----------|
| Formaldehyde | Acute EC50 0.788 mg/L Marine water | Algae - Ulva pertusa | 96 hours |
| | Acute EC50 12.98 mg/L Fresh water | Crustaceans - Ceriodaphnia dubia - Neonate - <24 hours | 48 hours |
| | Acute EC50 5800 to 7800 ug/L Fresh water | Daphnia - Daphnia pulex - Neonate - <24 hours | 48 hours |
| | Acute LC50 1.41 ppm Fresh water | Fish - Oncorhynchus mykiss | 96 hours |

Conclusion/Summary : Not available.

Persistence/degradability

Conclusion/Summary : Not available.

13. Disposal considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

| Regulatory information | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
|---------------------------|----------------|----------------------|----------------|-----|-------|------------------------|
| DOT Classification | Not available. | Not available. | Not available. | - | | - |
| IMDG Class | Not available. | Not available. | Not available. | - | | - |

PG* : Packing group

15. Regulatory information

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No components were found.
SARA 302/304 emergency planning and notification: No components were found.
SARA 302/304/311/312 hazardous chemicals: No components were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No components were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

15. Regulatory information

[New Jersey](#) : None of the components are listed.

[Pennsylvania](#) : None of the components are listed.

[California Prop. 65](#)

WARNING: This product contains a chemical known to the State of California to cause cancer.

[International regulations](#)

[Canada inventory](#) : Not determined.

16. Other information

[Hazardous Material Information System \(U.S.A.\)](#) :

| | | |
|------------------|---|---|
| Health | * | 2 |
| Flammability | | 1 |
| Physical hazards | | 0 |
| | | |

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[Prepared by](#) : Product Safety and Compliance Akzo Nobel Paints LLC

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