



Safety Data Sheet

Issue Date: 01-Jun-2012

Revision Date: 11-Nov-2016

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Buckeye Arena 300

Other means of identification

SDS # BE-5172-CA

Product Code 5172
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Wood Floor Coating, Water Based

Uses Advised Against No information available

Details of the supplier of the safety data sheet

Initial Supplier Identifier

THIS SAFETY DATA SHEET
IS NOT COMPLIANT UNLESS
CANADIAN ADDRESS IS USED

United States Supplier Address

Buckeye International, Inc.
2700 Wagner Place
Maryland Heights, MO 63043 USA
1-314-291-1900

24 hr Emergency Telephone Numbers

TRANSPORTATION - INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

MEDICAL - 1-651-632-8956 (International) 1-800-303-0441 (North America)

2. HAZARDS IDENTIFICATION

Appearance White opaque solution

Physical state Liquid

Odour Sweet polymer scent No fragrance added

Classification

| | |
|-----------------------------------|-------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Reproductive toxicity | Category 1B |

Label Elements

Signal word

Danger

Hazard statements

Causes skin irritation
 Causes serious eye irritation
 May damage fertility or the unborn child

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of water and soap
 If skin irritation occurs: Get medical advice/attention
 Take off all contaminated clothing and wash it before reuse

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

| Chemical Name | CAS No | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---------------------------|----------|----------|--|---|
| N-methyl-2-pyrrolidone | 872-50-4 | 4.88 | - | - |
| 2-(Dimethylamino) ethanol | 108-01-0 | 1.12 | - | - |

4. FIRST AID MEASURES

First Aid Measures**Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin contact

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation persists, call a doctor.

| | |
|-------------------|---|
| Inhalation | Remove to fresh air. |
| Ingestion | Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person. |

Most important symptoms and effects

| | |
|-----------------|--|
| Symptoms | Causes skin irritation. Causes serious eye irritation. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|------------------------|------------------------|
| Note to doctors | Treat symptomatically. |
|------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Specific hazards arising from the chemical | Combustion products may be toxic. |
| Hazardous Combustion Products | Carbon oxides. Nitrogen oxides (NOx). |
| Explosion Data | |
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|---|
| Personal precautions | Use personal protection recommended in Section 8. |
|-----------------------------|---|

Environmental precautions

| | |
|----------------------------------|--|
| Environmental precautions | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS. |
|----------------------------------|--|

Methods and material for containment and cleaning up

| | |
|--|---|
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic. |
| Prevention of secondary hazards | Clean contaminated objects and areas thoroughly observing environmental regulations. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands and any exposed skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep containers closed when not in use.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Store locked up. Keep from freezing. Do not store above 110°F.

Incompatible materials

Acids Strong alkalis Heavy metal salts

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

| Chemical Name | Canada - Alberta - Occupational Exposure Limits - Ceilings | Canada - British Columbia - Occupational Exposure Limits - Ceilings | Canada - Ontario - Occupational Exposure Limits - Ceilings | Quebec |
|--|--|--|--|--------|
| N-methyl-2-pyrrolidone 872-50-4 | | | TWA: 400 mg/m ³ | |
| 2-(Dimethylamino) ethanol 108-01-0 | | | TWA: 3 ppm TWA: 11 mg/m ³ STEL: 6 ppm STEL: 22 mg/m ³ | |

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Splash goggles or safety glasses.

Skin and body protection

Rubber gloves.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|-----------------|--|
| Physical state | Liquid |
| Appearance | White opaque solution |
| Colour | White |
| Odour | Sweet polymer scent No fragrance added |
| Odour Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|----------------------------------|-------------------------|
| pH | 7.5 - 7.9 (concentrated and RTU) | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | |
| Flash Point | None | |
| Evaporation Rate | 1.0 | (Water = 1) |
| Flammability (Solid, Gas) | Liquid-Not applicable | |
| Flammability Limits in Air | | |
| Upper Flammability Limits | Not applicable | |
| Lower Flammability Limit | Not applicable | |
| Vapour Pressure | Not determined | |
| Vapour Density | Not determined | |
| Relative Density | 1.02 | |
| Water Solubility | Miscible in water | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive properties | No information available. | |
| Oxidising properties | No information available. | |

Other Information

| | |
|------------------|--------------------------|
| Softening Point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | No information available |
| Density | No information available |
| Bulk Density | No information available |

10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | Contact with acids liberates toxic gas. |
| Chemical Stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous Polymerisation | Hazardous polymerisation does not occur. |
| Conditions to Avoid | Do not dry up the product. Keep out of reach of children. |
| Incompatible Materials | Acids. Strong alkalis. Heavy metal salts. |
| Hazardous Decomposition Products | Carbon oxides. Nitrogen oxides (NOx). |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Eye contact | Causes serious eye irritation. |
| Skin contact | Causes skin irritation. |
| Inhalation | May increase the absorption or uptake of other chemicals. |
| Ingestion | Do not ingest. |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Numerical measures of toxicity

Not determined

Acute Toxicity

Unknown acute toxicity No information available

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------------------|----------------------|--|------------------------|
| N-methyl-2-pyrrolidone 872-50-4 | = 3914 mg/kg (Rat) | = 8 g/kg (Rabbit) | > 5.1 mg/L (Rat) 4 h |
| 2-(Dimethylamino) ethanol 108-01-0 | = 1803 mg/kg (Rat) | = 1220 mg/kg (Rabbit) = 1370 µL/kg (Rabbit) | = 1641 ppm (Rat) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity May damage fertility or the unborn child.

12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------------------------------|--|--|----------------------------|--|
| N-methyl-2-pyrrolidone 872-50-4 | 500: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 832: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 1072: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 4000: 96 h <i>Leuciscus idus</i> mg/L LC50 static | - | 4897: 48 h <i>Daphnia magna</i> mg/L EC50 |
| 2-(Dimethylamino) ethanol 108-01-0 | 35: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 81: 96 h <i>Pimephales promelas</i> mg/L LC50 static | - | 98.77: 48 h <i>Daphnia magna</i> mg/L EC50 |

Persistence/Degradability No information available.

Bioaccumulation No information available.

Mobility .

| Chemical Name | Partition Coefficient |
|---------------------------------------|-----------------------|
| N-methyl-2-pyrrolidone 872-50-4 | -0.46 |
| 2-(Dimethylamino) ethanol 108-01-0 | -0.55 |

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

REGULATORY INFORMATION

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

| Chemical Name | TSCA | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|---------------------------|------|----------|-------------------|---------|-------|---------|-------|------|
| N-methyl-2-pyrrolidone | X | X | X | Present | X | Present | X | X |
| 2-(Dimethylamino) ethanol | X | X | X | Present | X | Present | X | X |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|-------------|------------------|----------------|--------------------|------------------------------|
| NFPA | Health Hazards 0 | Flammability 0 | Instability 0 | Special Hazards - |
| HMIS | Health Hazards 0 | Flammability 0 | Physical hazards 0 | Personal Protection X |

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--------------------|----------------------------------|
| TWA | TWA (time-weighted average) |
| STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value |
| * | Skin designation |
| Issue Date: | 01-Jun-2012 |

Revision Date: 11-Nov-2016

Revision Note: Canadian format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet