

SAFETY DATA SHEET

10/26/2017

PremARC™ Water Based Maintenance Coating

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name: **PremARC™ Water Based Maintenance Coating**

Details of the supplier of the safety data sheet:

Supplier: American Recycling Center, Inc.
655 Wabassee Drive
Owosso, MI 48867

Emergency telephone number

24 Hour Emergency Phone Number – 800-424-9300
Customer Information Center: 989-725-5100

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture



GHS07

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Storage:

Do not allow Product to freeze.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Irritating to eyes, respiratory system and skin.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

Label elements

Labelling according to EU guidelines:

The product has been classified and marked in accordance with directives on hazardous materials.

Code letter and hazard designation of product:



Irritant

Risk phrases:

Irritating to eyes, respiratory system and skin.

Safety phrases:

Keep out of the reach of children.
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
If swallowed, seek medical advice immediately and show this container or label.
Dispose of this material and its container to hazardous or special waste collection point.

Classification system:
 NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)

| | | |
|---------------------|---|--------------|
| HEALTH | 1 | Health=1 |
| FLAMMABILITY | 1 | Fire=1 |
| REACTIVITY | 0 | Reactivity=0 |

Other hazards

Results of PBT and vPvB assessment
 PBT
 Not applicable.
 vPvB
 Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

- Chemical characterization: Mixtures
- Description: Catalyst Package

| | | |
|--------------------------------|----------------------|-------|
| · Dangerous components: | | |
| <i>N-methyl-2-pyrrolidone</i> | | 5-10% |
| <i>121-44-8</i> | <i>triethylamine</i> | 1-5% |
| SVHC | | |
| <i>N-methyl-2-pyrrolidone</i> | | |

SECTION 4: FIRST AID MEASURES

Description of first aid measures

After inhalation:

If inhaled, remove victim from the immediate area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult. Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Remove any contaminated clothing. If skin irritation persists, seek medical advice.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

ONLY if conscious, drink several glasses of water and induce vomiting. Seek immediate medical attention

Information for doctor:

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.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

Water fog, carbon dioxide, foam or dry chemical.

Special hazards arising from the substance or mixture

The dried polymer is capable of combusting.

Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

Advice for firefighters

Protective equipment:

Wear breathing apparatus

Wear full protective suit with self-contained breathing apparatus

See Section 8

Additional information

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up:

Absorb liquid components with liquid-binding material.

Dispose of the collected material according to regulations.

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.

SECTION 7: HANDLING AND STORAGE

Handling

Precautions for safe handling:

Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Wash after handling.

Ensure good ventilation/exhaust at the workplace.

Information about protection against explosions and fires:

Keep respiratory protective device available.

Storage:

Requirements to be met by storerooms and receptacles:

Recommended ideal storage temperature range: 59 - 77 degrees F.

Product should not be stored below 40 degrees or above 110 degrees F.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed.

Specific end use(s) No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

No further data; see item 7.

Control parameters

| | |
|--|--|
| Components with limit values that require monitoring at the workplace: | |
| N-methyl-2-pyrrolidone | |
| WEEL | 10ppm skin |
| 121-44-8 triethylamine | |
| PEL | 100mg/m ³ , 3ppm |
| TLV | Short-term value: 12.4mg/m ³ Long-term value: 4.1mg/m ³ Skin |

Additional information:

The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. The following glove types are recommended: neoprene, nitrile rubber, PVC or butyl rubber. Thin, disposable latex gloves should be avoided for repeated or long term handling of the material. Recommended thickness of the glove material: 5 – 6 mil. Selection of the glove material should be based on the consideration of penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Goggles recommended during refilling.

Body protection:

Protective work clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance:

| | |
|---------------------|----------------|
| Form | Viscous |
| Color | Opaque |
| Odor | Characteristic |
| Odor Threshold | Not determined |
| pH-value@20°C(68°F) | 8 |

Change in Condition:

| | |
|-----------------------------|-----------------|
| Melting Point | Undetermined |
| Boiling Point | >100°C (>212°F) |
| Flash Point | >100°C (>212°F) |
| Flammability (solid,gases). | Not applicable |

Ignition temperature:

| | |
|---------------------|--|
| Decomposition temp. | Not determined |
| Auto Igniting | Product does not self-ignite |
| Danger of Explosion | Product does not present an explosion hazard |

Explosion Limits:

| | |
|----------------|---------------------------------------|
| Lower: | Not determined |
| Upper: | Not determined |
| Vapor Pressure | Not determined |
| Density | 1.05 g/cm ³ (8.762lbs/gal) |
| @20 °C(68°F) | |

| | |
|----------------------------|----------------|
| Relative Density | Not determined |
| Vapor Density | Not determined |
| Evaporation Rate | Not determined |
| Solubility in/ Miscibility | Dispersible |

With water

| | |
|-----------------------|----------------|
| Partition Coefficient | Not determined |
| (n-octanol/water) | |

Viscosity

| | |
|------------------------|----------------|
| Dynamic at20 °C(68°F): | 250 mPas |
| Kinematic: | Not determined |

Solvent Content:

| | |
|------------------|------|
| Organic Solvents | 8.1% |
|------------------|------|



VOC Content 8.1%
85.0g/l 0.71lb/gl
Solids content 37.5%
Other Information No further relevant information available

SECTION 10: STABILITY AND REACTIVITY

Reactivity:
Chemical stability:
Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
Conditions to avoid:
No further relevant information available.
Incompatible materials:
Acids and cationic material will cause the product to separate. Strong oxidizing agents. Avoid nitrosating agents.
Hazardous decomposition products:
Combustion of the dried polymer may release: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen and traces of HCN.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:
Primary irritant effect:
on the skin:
Skin irritation may occur with overexposure.
on the eye:
eye irritation may occur with overexposure.
Sensitization:
No sensitizing effects known.
Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Carcinogenic categories

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

| |
|------------------------------------|
| NTP (National Toxicology Program) |
| None of the ingredients is listed. |

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Acquatic toxicity:
No further relevant information available.
Persistence and degradability:
No further relevant information available.

Behavior in environmental systems:

Bio accumulative potential:
No further relevant information available.
Mobility in soil:
No further relevant information available.

Results of PBT and vPvB assessment:

PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects
No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation:

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packagings:

Recommendation:

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

| | |
|---|----------------|
| UN-Number | Void |
| UN-proper shipping names | Void |
| Transport hazard class(es) | Void |
| Packing group | Void |
| Environmental hazards | |
| Marine pollutant: | no |
| Special precautions for user | Not Applicable |
| Transport in bulk according to AnnexII of MARPOL73/78 and the IBC Code: | Not Applicable |

SECTION 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):

All ingredients are listed.

TSCA (Toxic Substances Control Act):

All ingredients are 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:

N-methyl-2-pyrrolidone

Carcinogenicity categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

121-44-8 triethylamine

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

None of the ingredients is listed.

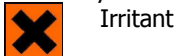
OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Product related hazard information's:

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard symbols:



Irritant

Risk phrases:

Irritating to eyes, respiratory system and skin.

Safety phrases:



Keep out of the reach of children. Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). If swallowed, seek medical advice immediately and show this container or label. Dispose of this material and its container to hazardous or special waste collection point.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Department issuing M(M)SDS: EH&S Delivery

Contact: Customer Service 989-725-5100

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