

REVOLUTION 2000™ PREMIUM FLOOR COATING

I. IDENTIFICATION OF THE MIXTURE (PREPARATION) AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product Name: Revolution 2000 Premium Floor Coating

Product Number: 116

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Floor Polish.

Product intended for commercial and industrial use only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer:

Amano Pioneer Eclipse Corporation

P.O. Box 909

1 Eclipse Road

Sparta, NC 28675 USA

Telephone: +1 336 372 8080

Internet: www.pioneereclipse.com

E-mail: msds@pioneer-eclipse.com

1.4 EMERGENCY TELEPHONE NUMBER

For Chemical Emergency - Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.

Within USA and Canada 1 800 424 9300. Outside USA and Canada: +1 703 527 3887 (collect calls accepted).

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE (PREPARATION)

This mixture (preparation) has been classified and labeled according to EC 1272/2008 (1999/45/EC).

2.2 LABEL ELEMENTS

EU Classification: Not classified as hazardous (dangerous)

Hazard pictogram (symbol): None

Hazard Statements (R- Phrases): None

Precautionary Statements (S- phrases): None

2.3 OTHER HAZARDS

No other hazards are known to the supplier.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 MIXTURES

This mixture (preparation) does not contain hazardous ingredients; as determined by EC 1272/2008 (1999/45/EC).

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation: If breathing is difficult, remove to fresh air. If symptoms persist, seek medical attention

Ingestion: If ingested, do not induce vomiting. Seek medical attention.

Skin contact: Wash off with plenty of water. If irritation develops, seek medical attention.

Eye contact: Rinse with plenty of water. If irritation develops, seek medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

This mixture (preparation) is not expected to produce significant adverse health effects when recommended use instructions are followed.

Inhalation: None expected under normal use.

Ingestion: None expected under normal use.

Skin contact: None expected under normal use.

Eye contact: None expected under normal use.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information available.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Dry chemical, water spray, foam, carbon dioxide

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Hazardous combustion products: None

5.3 ADVICE FOR FIRE FIGHTERS

Unusual fire and explosion hazards: Materials can splatter above 100°C/212°F.
Special firefighting procedures: No special firefighting procedures recommended.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Refer to Section 8 for appropriate personal protective equipment.

6.2 ENVIRONMENTAL PRECAUTIONS

Keep spills and cleaning runoff out of sewers and open bodies of water.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Small spills: Absorb spill on inert material (e.g. sand, earth) and dispose of as waste material in accordance with national and regional provisions.

Large spills: Keep spectators away. Floors may be slippery; use care to avoid falling. Neutralize spill area. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

6.4 REFERENCE TO OTHER SECTIONS: Refer to Section 8 of the SDS.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). Keep from freezing, product may coagulate. Keep container sealed when not in use. Keep out of reach of children.

7.3 SPECIFIC END USE(S): No information available

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupation Exposure limits: None established for components

8.2 EXPOSURE CONTROLS

Engineering controls: Ensure adequate general ventilation.
Environmental exposure controls: No specific environmental exposure controls required.

PERSONAL PROTECTION

Respiratory protection: No specific personal protection is required.

Hand protection: Rubber gloves recommended

Eye protection: Safety glasses recommended

Skin protection: If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thin, milky white, opaque liquid

Odor threshold: N/E

Melting point/Freezing Point: N/A

Odor: slight ammonia

pH: 8.3

Initial boiling point/boiling range: 100°C

REVOLUTION 2000™ PREMIUM FLOOR COATING

Flash point: > 93°C
Upper/lower flammability/explosive limits: N/A
Vapor density: greater than air
Solubility: 100% soluble in water
Auto-ignition temperature: N/A
Viscosity: <10 centipoise @ 20°C
Oxidizing properties: Not an oxidizer

Evaporation Rate: less than water
Vapor pressure: less than water
Relative density: 1.04 kg/L @ 20°C
Partition coefficient (n-octanol/water): N/E
Decomposition temperature: N/E
Explosive Properties: N/A

9.2 OTHER INFORMATION

VOC: 0.04%

10. STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** None known
10.2 CHEMICAL STABILITY: Stable under normal conditions.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS: None known.
10.4 CONDITIONS TO AVOID: None known.
10.5 INCOMPATIBLE MATERIALS: None known.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS: None known.

11. TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

MIXTURE (PREPARATION) SUMMARY

Toxicity testing has not been completed on the mixture.

LOCAL EFFECTS

Skin contact: None expected
Eye Contact: None expected
Sensitization: None expected
Chronic effects: None expected

SPECIFIC EFFECTS

Carcinogenicity: None known
Reproductive effects: None known
Teratogenicity: None known
Mutagenicity: None known

12. ECOLOGICAL INFORMATION

MIXTURE (PREPARATION) SUMMARY

Ecological testing has not been completed on the mixture.

- 12.1 TOXICITY:** No data available.
12.2 PERSISTENCE AND DEGRADABILITY: No data available.
12.3 BIOACCUMULATIVE POTENTIAL: No data available.
12.4 MOBILITY IN SOIL: No data available.
12.5 RESULTS OF PBT AND vPvB ASSESSMENT: No data available.
12.6 OTHER ADVERSE EFFECTS: No data available.

13. DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS**

Disposal of this material should be in accordance with local, regional and national regulations.

14. TRANSPORT INFORMATION

Not regulated for transport. Follow all local, regional and national recommendations for transport of non-hazardous chemical products.

- 14.1 UN NUMBER:** N/A
14.2 UN PROPER SHIPPING NAME: N/A
14.3 TRANSPORT HAZARD CLASSES: N/A

14.4 PACKING GROUP: N/A

14.5 ENVIRONMENTAL HAZARDS: N/A

14.6 SPECIAL PRECAUTIONS FOR USER: N/A

14.7 TRANSPORT IN BULT ACCORDING TO ANNEX II OF MAPROL73/78 AND THE IBC CODE: N/A

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE

EINECS STATUS: Ingredients are included in the EINECS/ELINCS/NLP inventories.

NATIONAL REGULATIONS: No additional national regulations are known to the supplier.

15.2 CHEMICAL SAFETY ASSESSMENT: No information available.

16. OTHER INFORMATION

REVISION INFORMATION:

10/13/2013 – revision conforming to 1907/2006/EC, amendment 453/2010 Annex I

ABBREVIATIONS:

N/A = Not Applicable

N/E = Not Established

N/L = Not Listed

FULL TEXT OF HAZARD STATEMENTS (R-PHRASES): N/A

FULL TEXT OF PRECAUTIONARY STATEMENTS (S-PHRASES): N/A

ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation