SECTION 1: Identification and Supplier/Manufacturer's Information

1.1. Product identifier

Product form: Mixture

Product name: Iron Coat

Product code: PC1059

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Floor Wax

1.3. Details of the supplier of the safety data sheet

Pioneer Chemical
T 310-366-7393
13717 S. Normandie Ave.
F 310-366-7193
Gardena, CA 90249 - USA
www.pioneerchem.com

1.4. Emergency telephone number

Emergency number: INFOTRAC: 800-535-5053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

2.3. Hazard not otherwise classified (HNOC)

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
diethylene glycol monoethyl ether	(CAS No) 111-90-0	1 to 5	Eye Irrit. 2A, H319
zinc ammonia carbonate complex	(CAS No) 38714-47-5	< 5	Skin Irrit. 2, H315 / Eye Irrit. 2A, H319 / STOT SE 3, H335

(NOTE: If component displays the * (asterisk) symbol, the following statement applies.)

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact: If skin irritation or rash occurs: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation persists, get medical attention.

First-aid measures after eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries:	Not expected to present a significant hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Symptoms/injuries after skin contact:	Contact during a long period may cause slight irritation.
Symptoms/injuries after eye contact:	Slight irritation.
Symptoms/injuries after ingestion:	FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa. Nausea.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:	Extinguishing media for surrounding fires. Adapt extinguishing media to the environment.
Unsuitable extinguishing media:	No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.
Other information:	No additional information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel

Protective equipment:	Gloves. Protective goggles.
Emergency procedures :	Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment:	Equip cleanup crew with proper protection.
Emergency procedures:	Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment:	Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.
Methods for cleaning up:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Wash down leftovers with plenty of water. Wash clothing and equipment after handling.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling:	Do not get in eyes, on skin, or on clothing. Do not breathe vapors. Ensure good venttilation of the work station. Observe normal hygiene standards. Use personal protective equipment as required.
Hygiene measures:	Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible products:	Oxidizing agent.
Storage area:	Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

Personal protective equipment:	Avoid all unnecessary exposure.
Hand protection:	In case of repeated or prolonged contact wear gloves.
Eye protection:	Chemical goggles or safety glasses.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Other information:	When using, do not eat, drink or smoke.
Appropriate engineering controls:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid	Relative evaporation rate (butyl acetate=1):	No data available
Color:	Milky-white	Partition Coefficient n-Octanol-Water:	No data available
Odor:	Acrylic	Flammability (solid, gas):	No data available
Odor threshold:	No data available	Vapor pressure:	No data available
pH:	7.5 - 8.5	Vapor density:	No data available
Melting point:	No data available	Specific Gravity @ 77º F:	1.017 - 1.037
Freezing point:	No data available	Solubility:	No data available
Boiling point:	> 200°F	Flash point:	> 200°F
Explosive limits:	No data available	Auto-ignition temperature:	No data available
Viscosity:	No data available	Decomposition temperature:	No data available

9.2. Other information

VOC content: < 5 g/l CARB VOC

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Oxidizers.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Phosphorus oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

diethylene glycol monoethyl ether (111-90-0)	
LD50 oral rat	5445 mg/kg (Rat)
LD50 dermal rat	5940 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h (Rat)
ATE US (oral)	5445.000 mg/kg body weight
ATE US (dermal)	5940.000 mg/kg body weight

Skin corrosion/irritation: Not classified

pH: 7.5 - 8.5

Serious eye damage/irritation: Not classified

pH: 7.5 - 8.5

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met

Symptoms/injuries after skin contact: Contact during a long period may cause slight irritation.

Symptoms/injuries after eye contact: Slight irritation.

Symptoms/injuries after ingestion: FOLLOWING SYMPTOMS MAY APPEAR LATER: Irritation of the gastric/intestinal mucosa. Nausea.

SECTION 12: Ecological information

12.1. Toxicity

diethylene glycol monoethyl ether (111-90-0)	
LC50 fish 1	12900 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Flow-through system)
EC50 Daphnia 1	3940 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	10661 mg/l (Echinoidea; Growth)
LC50 fish 2	9650 mg/l (96 h; Pimephales promelas; Flow-through system)

12.2. Persistence and degradability

diethylene glycol monoethyl ether (111-90-0)	
Persistence and degradability	Readily biodegradable in water
Biochemical oxygen demand (BOD)	0.20 g O2/g substance
Chemical oxygen demand (COD)	1.85 g O2/g substance

ThOD	1.9078849 g O2/g substance
BOD (% of ThOD)	0.11 % THOD

12.3. Bioaccumulative potential

diethylene glycol monoethyl ether (111-90-0)	
Log Pow	-1.11
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Dispose of contents/container in accordance with Local, State, and Federal regulations.

Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

14.1. UN Number

UN-No.(DOT): Not Regulated

Other information: No supplementary information available.

14.2. UN proper shipping name

DOT Proper Shipping Name: Not Regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory

diethylene glycol monoethyl ether (111-90-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 313 (Specific toxic chemical listings)	SARA Section 311/312 Hazard Classes
Delayed (chronic) health hazard	

zinc ammonia carbonate complex (38714-47-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 313 (Specific toxic chemical listings)	SARA Section 311/312 Hazard Classes
Immediate (acute) health hazard	

15.2. International regulations

CANADA

EU-Regulations

Classification according to Regulation (EC) No. 1272/2008 [CLP]

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

Not classified

15.2.2. National regulations

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Prop 65 Comments: 1,4-dioxane (CAS#123-91-1): < 18 ppm

SECTION 16: Other information

Abbreviations Legend:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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