

PRECISION COATINGS SAFETY DATA SHEET

Section 1. Identification

GHS product identifier: Reles Clear Coating Finish
Product number: RF61010
Product use: Surface Coating
Restrictions on use: None known
Manufacture/Supplier: Precision Coatings
Address: 1940 E. Trafficway
Springfield, MO 65802
Telephone: 417-862-5738
FAX: 417-862-8874
Website: www.precisioncoatingsinc.com
Emergency telephone number: 800-424-9300 Chemtrec Contract CCN675735

Section 2. Hazards identification

OSHA/HCS status: This material is not classified as hazardous by the OSHA HazCom 2012 (29 CFR 1910.1200).

Hazard classification: This material is not classified as hazardous by the OSHA HazCom 2012 (29 CFR 1910.1200).

Section 3. Composition / Information on Ingredients

There are no hazardous components above the relevant concentration limits according to OSHA HazCom 2012

OTHER INGREDIENTS

Components	CAS #	Percent
Triethanolamine*	102-71-6	1.0-1.5

*Triethanolamine is a neutralizing agent that is bound within the polymer matrix as a salt.

Section 4. First aid measures

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. In case of irritation from airborne exposure, move to fresh air. Get medical attention if irritation develops.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if irritation develops. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if irritation develops.

Ingestion: Do not induce vomiting. Wash out mouth with water. Remove dentures if any. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Most important symptoms/effects, acute

Potential acute health effects

Eye contact: Causes eye irritation.

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Skin contact: Causes skin irritation.

Inhalation: Not available

Ingestion: Not available

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:
pain or irritation.
Watering
Redness

Skin contact: Adverse symptoms may include the following:
irritation
redness

Inhalation: Not available

Ingestion: Adverse symptoms may include the following:
nausea or vomiting

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Not available

Specific treatments: Treat symptomatically and supportively.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, carbon dioxide, water spray (fog) or foam.

Unsuitable extinguishing media: Not available

Special hazards arising from the substance or mixture: Cool closed containers exposed to fire with water spray. Will not explode on mechanical impact.

Hazardous thermal decomposition products: Decomposition products may include the following materials:
carbon dioxide, carbon monoxide, smoke, oxides of nitrogen, formaldehyde, silicone compounds.

Special protective actions for fire-fighters: Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus with full face piece operated in the positive pressure mode.

Section 6. Accidental release measures

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Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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 and material for containment and cleaning up: Eliminate sources of ignition. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Use only non-combustible material for clean-up. Recover by pumping (use explosion proof or hand pump). Use clean, non-sparking tools to collect absorbed materials. Eliminate all ignition sources. Prevent additional discharge of material is able to do so safely. Do not touch or walk through spilled material. Collect spilled materials for disposal. Wear appropriate personal protective equipment (see Section 8 Exposure controls/personal protection). Evacuate unnecessary personnel.

Section 7. Handling and storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not swallow. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be hazardous. Do not reuse container. 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. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities:

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. Protect from freezing. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. 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.

Section 8. Exposure controls / personal protection

Control parameters Occupational exposure limits

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U.S. ACGIH Threshold Limit Values Components

Components	Type	Value	Form
Triethanolamine	TWA	5mg/m3	

Appropriate engineering controls:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Individual protection measures

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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

Skin protection

Hand protection:

Chemical-resistant gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.

Body protection:

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.

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection:

Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical & Chemical Properties

Appearance

Physical state:	Liquid
Form:	Liquid
Color:	Milky to opaque
Odor:	None
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	98°C (208.4°F)

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Flash point:	Not applicable (water based product); however, solid material will support combustion if water has been evaporated.
Evaporation rate:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	➤ 1 Air = 1
Relative density:	1.00-1.07
Solubility(ies):	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
VOC (mixed less water & exempt compounds):	Less than 50 grams/liter
Other information:	No additional information

Section 10. Chemical stability & reactivity information

Reactivity:	None known.
Chemical stability:	Stable.
Possibility of hazardous reactions:	None known.
Conditions to avoid:	Water reactives
Incompatible materials:	Strong oxidizing agents. Strong acids. Strong alkalis.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Conclusion/summary:	Not available
Oral:	Not available
Dermal:	Not available

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Inhalation: Not available

Irritation/Corrosion

Skin: Not available

Eyes: Not available

Respiratory: Not available

Sensitization

Skin: Not available

Respiratory: Not available

Mutagenicity

Conclusion/Summary: Not available

Carcinogenicity

Conclusion/Summary: Not available

Reproductive toxicity

Conclusion/Summary: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

Information on likely routes of exposure:

Potential acute health effects:

Eye contact: Causes eye irritation.

Inhalation: Not available

Skin contact: Causes skin irritation.

Ingestion: Not available

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include pain or irritation, watering, redness.

Inhalation: Not available

Skin contact: Adverse symptoms may include irritation, redness.

Ingestion: Adverse symptoms may include nausea or vomiting.

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Potential chronic health effects:

Not available

Section 12. Ecological information

Toxicity

Acute toxicity

Fish

Product: Not available

Aquatic invertebrates

Product: Not available

Chronic toxicity

Fish

Product: Not available

Aquatic invertebrates

Product: Not available

Toxicity to aquatic plants

Product: Not available

Specified substances:

Not available

Persistence and degradability

Biodegradation

Product: Not available

Specified substances:

Not available

Biological Oxygen Demand

Product: Not available

Specified substances:

Not available

Chemical Oxygen Demand

Product: Not available

Specified substances:

Not available

BOD/COD ratio:

Not available

Bioaccumulative potential:

Not available

Mobility in soil:

Not available

Results of PBT and vPvB assessment:

Not available

Other adverse effects:

Not available

Section 13. Disposal considerations

Disposal methods: Dispose of waste in accordance with all local, state and federal regulations.

Section 14. Transport information

DOT

Basic shipping requirements: Non-Regulated

IATA

Basic shipping requirements: Non-Regulated

IMDG

Basic shipping requirements: Non-Regulated

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Section 15. Regulatory information

US federal regulations

OSHA: There are no hazardous components above the relevant concentration limits according to OSHA HazCom 2012 (29 CFR 1910.1200).

SARA Title III Section 313 – Toxic Chemical: Listed Substance: None

SARA Title III Section 302 Extremely hazardous substances: None

SARA Title III Section 311/312 Hazard categories: Non-hazardous under Section 311/312

Inventory Status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State Regulations

California Proposition 65: This product contains chemical(s) known to the State of California to cause cancer: Diethanolamine, CAS 111-42-2.
This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm: Methanol, CAS 67-56-1.

Massachusetts RTK: Triethanolamine (CAS 102-71-6); Ammonia (CAS 7664-41-7)

New Jersey RTK: Triethanolamine (CAS 102-71-6); Ammonia (CAS 7664-41-7)

Pennsylvania RTK: Triethanolamine (CAS 102-71-6); Ammonia (CAS 7664-41-7)

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists: Ammonia (CAS 7664-41-7) 0.1-0.4%

Massachusetts Right to Know Extraordinarily Hazardous Substance List: Ammonia (CAS 7664-41-7) 0.1-0.4%
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) 15-18 ppm

Section 16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA

HMIS® ratings Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings Health: 1
Flammability: 0

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Instability: 0

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Issue date 12/20/2016