

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Mixture
Product Name / Trade Name	ISO-Guard™ ISO-101 Part A
CAS No.	Mixture

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

Identified Use(s)	Industrial Flooring Resin
Uses Advised Against	None

Details of the supplier of the safety data sheet

Company Identification	Res-Tek, Inc. 110 Riverside Drive Cartersville, Georgia 30120 United States of America
Telephone	1-888-737-8351 / 1-770-427-4034

Emergency telephone number

CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Skin Sens. 1
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Label elements

Hazard Symbol



Signal Word(s)

WARNING

Hazard Statement(s)

May cause an allergic skin reaction.

Precautionary Statement(s)

Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Contaminated work clothing should not be allowed out of the work place.
If on skin wash with plenty of soap and water.
If skin irritation or rash occurs get medical advice/attention.
Wash contaminated clothing before reuse.

Other hazards

Irritating to eyes.
May cause sensitization by skin contact.
35.475% of mixture consists of ingredients of unknown acute toxicity.

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Secondary diamines	>25%	Proprietary	Skin Sens. 1; H317

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Seek medical advice/attention. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.
Skin Contact	Wash off immediately with plenty of water for at least 20 minutes. Take off contaminated clothing and shoes immediately. If irritation occurs or persists get medical advice/attention.
Eye Contact	Rinse immediately with plenty of water also under the eyelids for at least 20 minutes. Remove contact lenses if present. If irritation occurs or persists get medical advice/attention.
Ingestion	Do not induce vomiting without medical advice. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.

General advice

Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

Most important symptoms/effects - acute and delayed

Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat. Eye disease. Skin disorders and Allergies. Asthma.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media	Alcohol-resistant foam. Carbon dioxide (CO ₂). Dry chemical. Dry sand. Limestone powder
Unsuitable Extinguishing Media	None known.

Special hazards arising from the substance or mixture

Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen (NO_x) is to be expected. Incomplete combustion may form carbon monoxide. May generate

Special protective equipment for fire-fighters

ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Do not allow run-off from fire fighting to enter drains or water courses., Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Environmental precautions

Construct a dike to prevent spreading.

Methods and material for containment and cleaning up

Approach suspected leak areas with caution. Place in appropriate chemical waste container.

Additional advice

Open enclosed spaces to outside atmosphere. If possible, stop flow of product.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Handling

Spraying increases the risk of hazardous exposure. In atmospheres where the material is sprayed, workers should avoid contact with aerosols. Do not use sodium nitrite or other notrsating agent in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, dring, or smoke.

Storage

Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

Not available.

Appropriate engineering controls

Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protection equipment

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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Discard contaminated leather articles. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection



Chemical resistant goggles must be worn.

Skin protection (Hand protection/
Other)



Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Butyl-rubber gloves. Nitrile rubber gloves. Neoprene gloves.

Respiratory protection



Keep self contained breathing apparatus readily available for emergency use. Spraying increases the risk of hazardous exposure. In atmospheres where the material is sprayed, workers should avoid contact with aerosols through proper engineering controls such as exhaust ventilation and/or proper protective equipment such as full face air supplied respirators. Wear appropriate respirator when ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color.	Light Yellow
Odor	Not available.
Odor Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	>200°F (>93°C)
Evaporation Rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not applicable.
Vapour pressure (mmHg)	Not available.
Vapour Density (Air=1)	Not applicable.
Density (g/ml)	1.04 @ 25°C (8.70 lb/gal @ 25°C)
Solubility (Water)	Not available.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Viscosity	100 mPa•s @ 77°F (25°C)
Other information	No additional information.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No data available.

Incompatible materials

CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations.

Nitrous acid and other nitrosating agents.
Organic acids (i.e. acetic acid, citric acid, etc.)
Mineral acids.
Sodium hypochlorite.
Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.
Oxidizing agents.

Hazardous decomposition product(s)

Nitric acid.
Ammonia
Nitrogen oxides (NOx).
Nitrogen oxide can react with water vapors to form corrosive nitric acid.
Carbon monoxide.
Carbon dioxide (CO2).
Nitrosamine.

Other hazards

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Likely routes of exposure

Effects on eye	Contact with eyes may cause irritation.
Effects on Skin	No data available.
Inhalation Effects	This product presents an elevated inhalation health risk when used in spray or aerosol applications. Harmful if inhaled and may cause delayed lung injury.
Ingestion Effects	No data available.
Symptoms	No data available.

Acute toxicity

Acute Oral Toxicity	No data is available on the product itself.
Inhalation	No data is available on the product itself.
Inhalation	No data is available on the product itself.
Acute Dermal Toxicity	No data is available on the product itself.
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	Eye irritation.
Sensitization	No data available.

Chronic toxicity or effects from long term exposures

Carcinogenicity	No data available.
Reproductive toxicity	No data is available on the product itself.
Germ cell mutagenicity	No data is available on the product itself.
Specific target organ systemic toxicity (single exposure)	No data available.

Specific target organ systemic toxicity
(repeated exposure)
Aspiration hazard

No data available.
No data available.

Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction. Eye disease., Skin disorders and Allergies.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic toxicity

No data is available on the product itself.

Toxicity to other organisms

No data available.

Persistence and degradability Conclusion/Summary

Biodegradability

No data is available on the product itself.

Mobility

No data available.

Bioaccumulation

No data is available on the product itself.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information

None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	Not Regulated	Not Regulated	Not Regulated
Proper Shipping Name			
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Transport in bulk according to Annex II 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:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories:

Fire
 Sudden Release
 Reactivity
 Immediate (acute)
 Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
None	-----	-----	-----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Hazard Statement(s) Listed in: SECTION 3

H317:May cause an allergic skin reaction.

Additional Information: Non.

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