



Flexrez 150

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Flexrez 150
Common Name: Aliphatic Polyurethane Dispersion
SDS Number: I8
Supplier Details: Coatings for Industry, Inc.
319 Township Line Road
Souderton, PA 18964

Emergency: Infotrac
Contact: USA: 1-800-535-5053 / International :352-323-3500
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2 HAZARDS IDENTIFICATION**Classification of the substance or mixture**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
Health, Serious Eye Damage/Eye Irritation, 2 A

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H319 - Causes serious eye irritation

GHS Precautionary Statements:

P264 - Wash skin and face thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P307 - IF eye irritation persists: Get medical attention

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
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*****	4-5%	Aliphatic Esters
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4 FIRST AID MEASURES

Inhalation:	If inhaled, remove to fresh air. Get medical attention if irritation develops.
Skin Contact:	Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Obtain medical attention.
Ingestion:	If swallowed, get medical attention immediately. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flash Point:	Greater than 200F
Flash Point Method:	TCC
Extinguishing Media - Use water spray or fog, foam, dry chemical or CO ₂ .	
Fire Fighting Instructions - As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.	
Other Flammable Properties - Can burn in fire forming carbon dioxide and some carbon monoxide.	

6 ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Released or Spilled - Ventilate area. Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil. Use personal protective equipment as described in Section 8.

7 HANDLING AND STORAGE

Handling Precautions:	Wash thoroughly after handling. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist.
Storage Requirements:	Store in a cool, dry place. Keep container closed when not in use. Keep from freezing.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use adequate ventilation.
Personal Protective Equipment:	Respiratory Protection - A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator use. Personal Protective Equipment: A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29 CFR 1910.132) be conducted before using this product. Eye Protection: Wear safety glasses with side shields. Skin Protection: Use impermeable gloves to minimize skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Milky white.	Odor:	Mild sweet odor
Physical State:	Liquid.	Solubility:	Miscible in water
Spec Grav./Density:	.95-1.05	Percent Volatile:	Approx. 50%



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STABILITY AND REACTIVITY

Stability:	Product is stable
Conditions to Avoid:	Protect from freezing
Materials to Avoid:	Oxidizing agents, isocyanates.
Hazardous Decomposition:	By Fire: Carbon Dioxide ; Carbon Monoxide ; Nitrogen oxides (NOx), Amines, other aliphatic fragments which have not been determined.
Hazardous Polymerization:	Hazardous polymerization will not occur.

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TOXICOLOGICAL INFORMATION

Aliphatic Esters [4-5%]

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation

Serious eye damage/eye irritation: Eyes - rabbit Result: No eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: Mammal ovary Result: negative

Mutagenicity (micronucleus test) rat - male and female

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: Not available

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.



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12 ECOLOGICAL INFORMATION

Aliphatic Esters [4-5%]

Information on ecological effects

Toxicity:

Toxicity to fish static test LC50 - Lepomis macrochirus (Bluegill) - 30.838 mg/l - 96 h.

Persistence and degradability: Biodegradability Result: $\geq 60\%$ - Readily biodegradable. (OECD Test Guideline 301D)

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations. Incineration is the preferred method.

14 TRANSPORT INFORMATION

Not regulated for transportation

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Aliphatic Esters [4-5%] TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

SARA Title III Section 313 - Toxic Chemicals: This product does not contain chemicals which are listed in Section 313 at or above de minimis concentrations.

SARA Title III: Section 311/312 - Hazardous Chemicals: Hazard Classifications: Immediate (acute)



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16**OTHER INFORMATION**

NOTICE : This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is express or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material, such vendees or users assume all risks associated with the use of the material. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The preceding specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.