

AutoPure™ Polymer Blend

Devin Systems Co.

P.O. Box 41555
Houston, Texas 77241-1555
Phone: 713-937-7161

MATERIAL SAFETY DATA SHEET

Section 1. PRODUCT IDENTIFICATION

PRODUCT NAME: **AutoPure™ Polymer Blend**
CHEMICAL DESCRIPTION: Emulsion polymer
PRODUCT CLASS: Water treatment
MSDS CODE: 0E40-12-06-94

Section 2. INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum distillates, straight-run middle	64741-44-2	~10	TWA 5 mg/m ³ (for Oil mist, mineral)	TWA 5 mg/m ³ , STEL 10 mg/m ³ (for Oil mist, mineral) [1993-94 proposal to specify for "severely refined" and to remove STEL.]
White mineral oil	8042-47-5	~1	TWA 5 mg/m ³ (for Oil mist, mineral)	TWA 5 mg/m ³ , STEL 10 mg/m ³ (for Oil mist, mineral)

Section 3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

WARNING!
May cause eye and skin irritation.

PRIMARY ROUTES OF ENTRY: Eye and skin contact, inhalation
TARGET ORGANS: Eye, skin
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin disorders.

AutoPure™ Polymer Blend

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: This product may produce irritation upon contact with the eye.

SKIN CONTACT: Prolonged or repeated contact with the skin may dry and defat the skin, leading to irritation and dermatitis. This product is not expected to be absorbed through the skin in harmful amounts or to produce an allergic skin reaction.

INGESTION: This product would be expected to be practically non-toxic by ingestion. However, ingestion of petroleum distillate may produce gastrointestinal tract irritation, vomiting and central nervous system depression.

INHALATION: This product is not expected to present an inhalation hazard unless mists or vapors are generated.

SUBCHRONIC, CHRONIC:

No applicable information was found concerning any potential health effects resulting from subchronic or chronic exposure to the product.

Studies have shown that certain representative middle distillate petroleum products have been found to be tumorigenic in mice when applied to the skin repeatedly at very high doses without washing between applications in long-term bioassays. The petroleum distillate in this product has been found to be non-mutagenic in modified Ames testing.

CARCINOGENICITY:

NTP: *No ingredients listed in this section*

IARC: *No ingredients listed in this section*

OSHA: *No ingredients listed in this section*

Section 4. FIRST AID MEASURES

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical aid.

SKIN CONTACT: In case of contact, flush skin with plenty of water. Remove contaminated clothing. Seek medical aid if irritation persists. Wash clothing before reuse.

INGESTION: Not an expected route of overexposure.

INHALATION: Not an expected route of overexposure.

AutoPure™ Polymer Blend

Section 5. FIRE-FIGHTING MEASURES

FLASH POINT: > 200°F

This product is not by definition a "flammable liquid" or a "combustible liquid".

LOWER FLAMMABLE LIMIT: Not available UPPER FLAMMABLE LIMIT: Not available

AUTO-IGNITION TEMPERATURE: Not available

EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical.

FIRE-FIGHTING INSTRUCTIONS: Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential.

FIRE & EXPLOSION HAZARDS: Product emits toxic gases under fire conditions.

DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, ammonia, and/or nitrogen oxides.

NFPA RATINGS: Health = 2 Flammability = 1 Reactivity = 0 Special Hazard = None

Hazard rating scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

Section 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent and place into suitable container. Spilled product may make floor slippery; spills should be cleaned up immediately to prevent falls.

Section 7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin and clothing.
Avoid breathing mist.
Use with adequate ventilation.
Wash thoroughly after handling.
Keep container closed when not in use.

STORAGE: Store between 50 and 90°F. Avoid frequent temperature changes.

AutoPure™ Polymer Blend

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Chemical splash goggles

SKIN PROTECTION: Chemical resistant gloves

RESPIRATORY PROTECTION: If airborne concentrations exceed published exposure limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements (29 CFR 1910.134).

ENGINEERING CONTROLS: Use local exhaust ventilation at elevated temperatures or if mists are generated.

WORK PRACTICES: An eye wash station should be accessible in the immediate area of use. Wash areas of skin contaminated with this product thoroughly with soap and water soon after exposure. Do not allow this product to remain on skin for prolonged periods.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: > 500°F (> 260°C)

SOLUBILITY IN WATER: Miscible

VAPOR PRESSURE: Not available

SPECIFIC GRAVITY: 1.2

VAPOR DENSITY (air= 1): Not available

pH: Not applicable

%VOLATILE BY WEIGHT: Not available

FREEZING POINT: ~32°F

APPEARANCE AND ODOR: Off-white, viscous, opaque liquid with slight hydrocarbon and bisulfite odors.

Section 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Do not expose to extreme temperatures. Do not contaminate with water as it will adversely affect product quality.

INCOMPATIBILITY: Strong oxidizers

DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon dioxide, carbon monoxide, ammonia, and/or nitrogen oxides.

AutoPure™ Polymer Blend

Section 11. TOXICOLOGICAL INFORMATION

ON PRODUCT:

No information available on the formulated product.

ON INGREDIENTS:

<u>Chemical Name</u>	<u>Oral LD₅₀ (rat)</u>	<u>Dermal LD₅₀ (rabbit)</u>	<u>Inhalation LC₅₀ (rat)</u>
Petroleum distillates, straight-run middle	> 5 g/kg	> 2 g/kg	1 .7 mg/L/4H
White mineral oil	Not available	Not available	Not available

Section 12. ECOLOGICAL INFORMATION

ON PRODUCT:

No information available on the formulated product.

Section 13. DISPOSAL CONSIDERATIONS

RCRA STATUS: Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

DISPOSAL: Dispose of in accordance with local, state and federal regulations.

Section 14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Class/Division: Not restricted
Proper Shipping Name: Not applicable
Label: None
Packing Group: Not applicable
ID Number: Not applicable

Section 15. REGULATORY INFORMATION

OSHA Hazard Communication Status: Hazardous

TSCA: The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

AutoPure™ Polymer Blend

CERCLA reportable quantity of EPA hazardous substances in product:

Chemical Name RO

No ingredients of this product have CERCLA reportable quantities.

Product RQ: Not applicable (Notify EPA of product spills exceeding this amount.)

SARA TITLE III:

Section 302 Extremely Hazardous Substances:

Chemical Name CAS # RQ TPQ

There are no SARA 302 Extremely Hazardous Substances in this product.

Section 311 and 312 Health and Physical Hazards:

Immediate	Delayed	Fire	Pressure	Reactivity
[yes]	[no]	[no]	[no]	[no]

Section 313 Toxic Chemicals:

Chemical Name CAS # % by Weight

There are no reportable SARA 313 Toxic Chemicals in this product.

Section 16. OTHER INFORMATION

HMIS RATINGS: Health = 2 Flammability = 1 Reactivity = 0
Personal Protective Equipment = X (to be specified by user depending on use conditions)

Hazard rating scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

While this information and recommendations set forth herein are believed to be accurate as of the date hereof, Devin Systems Co. MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.