

# MSDS **Material Safety Data Sheet**

**THE PENRAY COMPANIES, INC.**

## Transmission MVP

MSDS Number: 6538

Revision Date: 7/8/10

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

The Penray Companies Inc.  
440 Denniston Court

Wheeling, IL 60090

**Contact:** EHS Department  
**Telephone Number:** 847-459-5019  
**FAX Number:** 847-459-5043  
**E-Mail:**  
**Web** penray.com

**Product Name:** Transmission MVP  
**Revision Date:** 7/8/10  
**Version:** 1  
**MSDS Number:** 6538  
**Common Name:** 6538

EMERGENCY CONTACT TELEPHONE NUMBERS 24hrs/7

Adverse Medical: 1-800-752-7869 (24hr poison control call center)

Transport Response:

CHEMTREC 1-800-424-9300. CHEMTREC International 703-527-3887 (collect)  
CANUTEC (Canada only) 613-996-666, or \*666 on cellular phone

### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Ingestion; inhalation; Skin;  
**Target Organs:** Not given  
**Inhalation:** Minimal respiratory tract irritation may occur with exposure to a large amount of material  
**Skin Contact:** Will irritate skin. May exacerbate pre-existing skin conditions i.e dermatitis  
**Eye Contact:** Will Cause irritation, redness, tearing and blurred vision, upon direct contact  
**Ingestion:** Ingestion is not applicable route of entry for intended use.

HMIS II-ratings (scale 0-4): Health = 1, Fire = 1, Reactivity = 0

HMIS® Rating H1/F1/PH0

NFPA-ratings (scale 0-4): Health = 1, Fire = 1, Reactivity = 0

**Signal word: CAUTION**

**HAZARD OVERVIEW:** Strong eye irritant. Skin irritant. May worsen pre-existing skin conditions

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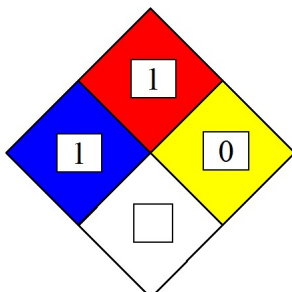
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HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPE	x



Prolonged unprotected exposure to this product will cause skin irritation. Material splashed in eyes may damage tissues.

Carcinogen listing by: National Toxicology Program (NTP)

I.A.R.C (NO)

OSHA (NO)

ACGIH (NO)

This product does NOT require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

When burned, the product will produce carbon monoxide and other asphyxiates during combustion.

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT MATERIALS CONSIDERED HAZARDOUS PER FEDERAL, STATE OR PROVINCIAL OCCUPATIONAL HEALTH, AND REGULATORY BODIES

Ingredients:

Chemical Name	Cas #	Percentage	
Antiwear Additive Alkyl acid phosphate		Confidential 68307-94-8	1-5% 1-5%
zinc dialkyl dithiophosphate	68649-42-3		0.1-1%
Amines, soya alkyl, ethoxylated	61791-24-0		10-30%
Branched Alkanes	68649-11-6		10-30%
Nonylated diphenylamine derivatives		Confidential	10-30%
Benzotriazole derivative		Confidential	0.1-1%
Polyalphaolefins		Mixture	30-60%
Petroleum distillates	64742-54-7		30-60%
Viscosity Modifier (PPD)		Mixture	1-5%

#### OSHA Regulatory Status:

This MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

### 4 FIRST AID MEASURES

<b>Inhalation:</b>	If symptoms of Hydrogen Sulfide exposure are indicated, remove individual(s) to fresh air and administer oxygen. Seek medical attention immediately.
<b>Skin Contact:</b>	Remove material from skin by patting or blotting with a clean cloth. Wash exposed areas with soap and water for at least 15 minutes. Seek medical attention immediately. Do not reuse contaminated clothing until laundered. Discard all contaminated leather goods.
<b>Eye Contact:</b>	DO NOT RUB EYES. Immediately wash eyes with large amounts of water for at least 15 minutes. Remove contact lenses before washing. Seek medical attention immediately.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, watch for signs of aspiration. Seek medical attention immediately.

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### 5 FIRE FIGHTING MEASURES

**Flash Point:** 280 F  
**Flash Point Method:** COC  
**Burning Rate:** NA  
**Autoignition Temperature:** NA  
**LEL:** NA  
**UEL:** NA

Water spray, dry powder, foam, carbon dioxide

### 6 ACCIDENTAL RELEASE MEASURES

Release Measures:

Extinguish any open flames and remove heat sources.

CONTAIN, ABSORB, CONTROL THE SPILLAGE WITH THE SAFEST MOST EFFECTIVE MEANS AT YOUR DISPOSAL.

This material will NOT float on water and will be transported by stormwater runoff. Soils to the ground should be immobilized and removed immediately. Spills to watercourse such as storm drains, sewers, ditches, streams.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

\* Information about ingredient percentages of product, according to RQ (Reportable Quantity), :Available upon request in the event of major uncontrolled release.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Handle with care and avoid spillage on the floor ( slippage).  
Consider normal working hygiene.

Do not puncture or drop containers.

DO NOT WEAR CONTACT LENSES

**Storage Requirements:** Store in cool/dry area;  
Suitable packing materials

EMPTY CONTAINER WARNING!

Do not attempt to refill or clean containers since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner in accordance with governmental regulations.

For work on tanks, refer to OSHA regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or contemplated operations.

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### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use mechanical (general) ventilation for storage areas.  
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94) and NFPA 30 standards (

**Protective Equipment:** HMIS PP, X | Consult your supervisor for special instructions  
  
If there is likelihood of splashing, chemical impervious clothing should be worn. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard)

**Exposure Guidelines/Other:** **Component Exposure Limits: OSHA permissible exposure limit:**

Amines, Soya alkyl, ethoxylated

**USA OSHA (TWA<sub>5</sub>)/PEL): consult NIOSH pocket guide**  
**ACGIH (TWA/TLV): consult NIOSH pocket guide**

**Respiratory Protection: X- consult supervisor**  
**Ventilation: X- consult supervisor**  
**Protective Gloves: X- consult supervisor**  
**Eye Protection: X- consult supervisor**  
**Other Protective Equipment: X- consult supervisor**

\*\*\*\*\*  
Note: PERSONAL PROTECTIVE EQUIPMENT (ppe) REQUIREMENTS ARE RELATED TO CONDITIONS OF USE, WHICH CANNOT BE SUITABLY PREDICTED BY THE PRODUCT MANUFACTURER. DETERMINATION OF NECESSARY (ppe) IS THE RESPONSIBILITY OF THE EMPLOYER/ USER, BASED ON ASSESSMENT AND KNOWLEDGE OF THE EMPLOYER'S INDUSTRIAL PROCESSES AND WORKPLACE ENVIRONMENT. IN EVERY CIRCUMSTANCE OF CHEMICAL EXPOSURE, THE EMPLOYER SHALL LIMIT WORKER EXPOSURES TO THIS PRODUCT FIRST BY IMPLEMENTING EFFECTIVE ENGINEERING CONTROLS, AND SECOND BY IMPLEMENTING ADMINISTRATIVE CONTROLS. PERSONAL PROTECTIVE EQUIPMENT (ppe) SHALL BE USED DILIGENTLY BY WORKERS WHEN ENGINEERING AND ADMINISTRATIVE CONTROLS DO NOT FULLY PREVENT CHEMICAL EXPOSURE TO THIS PRODUCT.

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Red	<b>Boiling Point:</b>	Not Determined
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	
<b>Odor:</b>	mild, bland petroleum	<b>Solubility:</b>	Negligible
<b>pH:</b>		<b>Spec Grav./Density:</b>	0.8783 at 60F
<b>Vapor Pressure:</b>	<0.01 mmHg at 20C		
<b>Vapor Density:</b>	> 5 (Air =1)		
<b>Heat Value:</b>	N/A		
<b>Evap. Rate:</b>	Not Determined		
<b>Bulk Density:</b>	N/A		
<b>Octanol:</b>	N/A		
<b>Molecular Weight:</b>	NA		
<b>Particle Size:</b>	N/A		
<b>Softening Point:</b>	N/A		
<b>Viscosity:</b>	8.70 cSt		
<b>Percent Volatile:</b>	N/A		
<b>Sat. Vap. Concentrat.:</b>	N/A		
<b>Molecular Formula:</b>	N/A		

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to avoid:</b>	Extreme heat, freezing temperatures,
<b>Materials to avoid (incompatibility):</b>	strong oxidants
<b>Hazardous Decomposition products:</b>	Oxides of Carbon, Nitrogen & Sulfur, & Phosphorus, Methacrylate Monomers. Under certain conditions, Ammonia & Hydrogen Sulfide
<b>Hazardous Polymerization:</b>	Will not occur.

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### **11 TOXICOLOGICAL INFORMATION**

#### **IMMEDIATE (ACUTE) EFFECTS:**

ACUTE STUDIES : Low order, possible pulmonary effects as irritant. Eye/ skin irritant

ACUTE SKIN: Prolonged skin contact tends to remove skins oils, leading to irritation and dermatitis, however, based on human experience and available toxicological data, this product is not judged to be "corrosive" by OSHA criteria.

EYE EFFECTS: Product contacting eyes will cause strong irritation

ACUTE ORAL : Product has moderate order of acute toxicity, amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

ACUTE INHALATION: Product has a moderate order of acute toxicity, but amounts aspirated into the lungs during ingestion or vomiting may cause pulmonary injury

Carcinogeny-NTP/IARC: There is no available evidence known, to state that this chemical product poses a carcinogenic risk in humans under normal conditions of handling and industrial use.

Specific L/D 50 data about product: NOT AVAILABLE

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### **12 ECOLOGICAL INFORMATION**

#### **ENVIRONMENTAL HAZARDS**

If applied to leaves, this product may kill grass and small plants by interfering with transpiration and respiration. This product may be toxic to fish and will affect gill structures resulting in suffocation if spilled in shallow, stagnate water. Product may be toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

#### **ENVIRONMENTAL FATE**

This product is somewhat biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70 degrees F.

IN GENERAL, PRODUCT DEMONSTRATES HIGH WATER SOLUBILITY

WHEN EXPOSED TO THE NATURAL ENVIRONMENT.

Specific L/C 50 data in aquatic environments, about product: NOT AVAILABLE

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### 13 DISPOSAL CONSIDERATIONS

#### DISPOSAL

Product, as supplied does NOT meet the characteristics of a hazardous waste as defined in 40 CFR 261.21-24. If mixed with other products, waste mixture must be characterized. DO NOT dispose of this product in drains or storm sewers. DO NOT dispose of this product in a landfill.

Dispose of in accordance with local regulations at a suitable waste-disposal site approved by local, state/ provincial authorities.

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### 14 TRANSPORT INFORMATION

DOT: Not Regulated

TDG:Not Regulated

IATA: Not Regulated

IMDG: Not Regulated

ADR: Not Regulated

\*\*\*\*\*  
THIS SECTION IS PROVIDED FOR GENERAL INFORMATION ONLY. THE SHIPPING DESCRIPTION ABOVE MAY NOT REPRESENT REQUIREMENTS FOR ALL MODES OF TRANSPORTATION, PACKAGING, SHIPPING METHODS, OR LOCATIONS OUTSIDE OF THE GEOGRAPHIC BOUNDARIES OF THE U.S.A.

Other party shipper: For more complete transportation regulatory information; please refer to the appropriate dangerous goods code of regulations, in order to complete necessary shipping documents.

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### REGULATORY INFORMATION

COMPLIANCE \* Information about product ingredient percentages: available upon request

#### U.S. FEDERAL REGULATORY INFORMATION

SARA 302 Threshold Planning Quantity:

SARA 304 Reportable Quantity:

SARA 311 Categories:

Immediate (Acute Health effects)-

Delayed Chronic effects-

Fire Hazard-

Sudden Release of pressure-

Reactivity Hazard-

USEPA/ TSCA Inventory: The components of this product are listed on the USEPA/TSCA (Toxic Substances Control Act) inventory of chemicals, 15 U.S.C. 2601 et. seq.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA): Chemicals in this product are subject to the reporting requirements of CERCLA

OSHA Hazard Communication Standard: This product has been evaluated and determined to be hazardous as defined in OSHA's Hazard Communication Standard.

CALIFORNIA PROPOSITION 65: This product DOES contain the following chemicals known to the State of California to cause cancer and/or birth defects: Toluene

#### CANADIAN REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations(CPR) and the MSDS contains all the information required by the Controlled Products Regulations.

This products contents are listed on the Canadian Domestic Substances List (DSL)

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THE INFORMATION PROVIDED HEREIN THIS SECTION MAY NOT INCLUDE THE IMPACT OF ADDITIONAL REGULATORY REQUIREMENTS (e.g., for materials meeting the definition of hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants (MARPOL) under CWA or similar federal, state, provincial or laws regulations, within or outside the geographic boundaries of the U.S.A.

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### OTHER INFORMATION

STATEMENTS DENOTED BELOW THIS TYPE SCRIPT ARE MEANT AS DISCLAIMER\*\*\*\*\*

#### ACKNOWLEDGEMENT UPON PURCHASE

USERS RESPONSIBILITY; THIS MSDS IS INTENDED TO MEET THE SPECIFIC REQUIREMENTS OF 29 CFR1910.1200 (U.S.A), HAZARDOUS PRODUCTS ACT AND CONTROLLED PRODUCTS REGULATIONS (CANADA), NOM 018 STPS 2000 (MEXICO), AND ANSI Z400.1-200, AND SHOULD BE USED ACCORDINGLY. WHILE THE INFORMATION HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE AND RELIABLE, NO WARRANTY, EXPRESSED OR IMPLIED, CAN BE MADE WITH REGARD TO ITS ACCURACY, COMPLETENESS OR CORRECTNESS. THIS MSDS IS OFFERED INTO THE WORKPLACE FOR YOUR CONSIDERATION, INVESTIGATION AND CONCLUSIONS DRAWN HEREIN FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE PRODUCT. SINCE CONDITIONS NECESSARY FOR THE SAFE USE OF THE PRODUCT ARE NOT UNDER CONTROL OF THE MANUFACTURER, IT IS THE BUYERS, DISTRIBUTORS AND USERS LEGAL RESPONSIBILITY TO DETERMINE THE CONDITIONS NECESSARY FOR THE SAFE USE OF THE CHEMICAL PRODUCT. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE LEGAL RESPONSIBILITY OF THE BUYERS, DISTRIBUTORS, USERS OF THIS PRODUCT. ANY USERS, DISTRIBUTORS, HANDLERS OF THIS PRODUCT WHO ARE NOT UNDER THE DIRECT, LEGALLY DEFINED CONTROL OF THE PENRAY COMPANIES INC., ARE RESPONSIBLE FOR EVALUATING THIS INFORMATION IN LIGHT OF THE PARTICULAR WORKPLACE ENVIRONMENT, AND ARE RESPONSIBLE FOR ALL LOSSES, DAMAGES OR EXPENSES THAT RESULT WHILE THIS PRODUCT IS UNDER THEIR CONTROL. IT IS ALSO THE RESPONSIBILITY OF THE USERS, DISTRIBUTORS, HANDLERS OF THIS PRODUCT TO OBSERVE ANY AND ALL LAWS AND REGULATIONS (FEDERAL, STATE, PROVINCIAL, AND LOCAL) CONCERNING THE TRANSPORTATION, USE, HANDLING, STORAGE, AND DISPOSAL OF THIS PRODUCT.

Physicians, Toxicologists,

\*A full disclosure MSDS is available upon request for valid health and environmental emergency incidents only, by contacting (847) 459-5041 during regular business hours.

Prepared by: EHS Department, The Penray Companies Inc. Wheeling, IL. U.S.A

END OF MSDS.

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**END OF MSDS DOCUMENT**