

Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012. Date of issue: 04/30/2014 Revision date: 04/30/2014 Version: 1.0

SECTION 1: Identification of the s	ubstance/	mixture and of the cor	npany/undertakin	g
1.1. Product identifier				
Product name	: PENF	RAY CONCENTRATED MOTO	OR FLUSH	
Product code	: 7501			
1.2. Relevant identified uses of the su	ibstance or	mixture and uses advised a	gainst	
Use of the substance/mixture	: Engin	e flush.		
1.3. Details of the supplier of the safe	tv data shee	et		
The Penray Companies, Inc. 440 Denniston Ct. 60090 Wheeling, IL T (800) 373-6729 rotto@penray.com				
1.4. Emergency telephone number				
Emergency number	CHEN	373-6729 //TREC (800) 424-9300 //TREC International +1 (703)	527-3887 24 hr	
<b>SECTION 2: Hazards identification</b>				
2.1. Classification of the substance o	r mixture			
GHS-US classification				
Aspiration hazard 1				
2.2. Label elements				
GHS-US labelling				
Hazard pictograms (GHS-US)		•		
Signal word (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US)	: Dang : May b : If swa Dispo	be fatal if swallowed and enter	son center/doctor. Do N	IOT induce vomiting. Store locked u cal, regional, national and
2.3. Other hazards	Intern			
No additional information available				
SECTION 3: Composition/informat	lion on in	gredients		
3.1. Substance				
Not applicable				
3.2. Mixture				
Name		Product identifier	%	GHS-US classification
Distillates, petroleum, hydrotreated heavy naphthe		(CAS No) 64742-52-5	40 - 70	Asp. Tox. 1
Distillates, petroleum, solvent-refined heavy paraffinic Distillates, petroleum, hydrotreated light naphthenic		(CAS No) 64741-88-4 (CAS No) 64742-53-6	15 - 40 10 - 30	Not classified Not classified
The exact percentage (concentration) of compositi		, ,		
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures after inhalation	comfo	ortable for breathing. Get med	ical advice/attention if yo	
First-aid measures after skin contact				er. Remove contaminated clothing irritation develops and persists.



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4.2. Most important symptoms and	effects, both acute and delayed
Symptoms/injuries after inhalation	: May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.
4.3. Indication of any immediate me	edical attention and special treatment needed
Symptoms may not appear immediately. In possible).	case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where
<b>SECTION 5: Firefighting measur</b>	es
5.1. Extinguishing media	
Suitable extinguishing media	: Powder, water spray, foam, carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the	ne substance or mixture
Fire hazard	: Products of combustion may include, and are not limited to: oxides of carbon, aldehydes.
5.3. Advice for firefighters	
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.
SECTION 6: Accidental release r	neasures
	neasures ve equipment and emergency procedures
6.1. Personal precautions, protectiv	<ul> <li>ve equipment and emergency procedures</li> <li>Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.</li> </ul>
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8.1. Control parameters

Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)				
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m³		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m³		
Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4)				
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>		
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³		
Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)				
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m³		
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m <sup>3</sup>		



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8.2. Exposure controls	
Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves.
Eye protection	: Safety glasses or goggles are recommended when using product.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	<ul> <li>In case of insufficient ventilation, wear suitable respiratory equipment. 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.</li> </ul>
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties				
9.1. Information on basic physical and chemical properties				
Physical state	: Liquid.			
Appearance	: Clear.			
Colour	: Amber.			
Odour	: Petroleum odor.			
Odour threshold	: No data available.			
рН	: No data available.			
Relative evaporation rate (butylacetate=1)	: No data available.			
Melting point	: No data available.			
Freezing point	: No data available.			
Boiling point	: No data available.			
Flash point	: > 124 °C (> 255 °F) (Petroleum distillates)			
Self ignition temperature	: No data available.			
Decomposition temperature	: No data available.			
Flammability (solid, gas)	: Not flammable.			
Vapour pressure	: No data available.			
Relative vapour density at 20 °C	: No data available.			
Relative density	: 0.866 - 0.886			
Solubility	: No data available.			
Log Pow	: No data available.			
Log Kow	: No data available.			
Viscosity, kinematic	: No data available.			
Viscosity, dynamic	: No data available.			
Explosive properties	: No data available.			
Oxidising properties	: No data available.			
Explosive limits	: No data available.			
9.2. Other information				

No additional information available

SECTION	ON 10: Stability and reactivity				
10.1.	Reactivity				
No dange	No dangerous reaction known under conditions of normal use.				
10.2.	Chemical stability				
Stable ur	nder normal storage conditions.				
10.3.	Possibility of hazardous reactions				
No dange	erous reaction known under conditions of normal use.				
10.4.	Conditions to avoid				
Heat. Inc	ompatible materials. Direct sunlight.				
10.5.	Incompatible materials				
Strong oxidizing agents.					
10.6.	Hazardous decomposition products				
May inclu	ude, and are not limited to: oxides of carbon, aldehvdes.				

EN (English)

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SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Acute toxicity	: Not classified		
7501			
LD50 oral rat	> 2000 mg/kg		
LD50 dermal rabbit	> 2000 mg/kg		
LC50 inhalation rat (mg/l)	No data available.		
Distillates, petroleum, hydrotreated heavy na	phthenic (64742-52-5)		
LD50 oral rat	> 5000 mg/kg		
LD50 dermal rabbit	> 5000 mg/kg		
LC50 inhalation rat (mg/l)	> 5 mg/l/4h		
Distillates, petroleum, solvent-refined heavy	paraffinic (64741-88-4)		
LD50 oral rat	> 5000 mg/kg		
LD50 dermal rabbit	> 2000 mg/kg		
LC50 inhalation rat (mg/l)	2.18 mg/l/4h		
Distillates, petroleum, hydrotreated light nap	hthenic (64742-53-6)		
LD50 oral rat	> 5000 mg/kg		
LD50 dermal rabbit	> 2000 mg/kg		
LC50 inhalation rat (mg/l)	2.18 mg/l/4h		
Skin corrosion/irritation	: Based on available data, the classification criteria are not met.		
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.		
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met.		
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.		
Carcinogenicity	: Based on available data, the classification criteria are not met.		
Reproductive toxicity	: Based on available data, the classification criteria are not met.		
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.		
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met.		
Aspiration hazard	: May be fatal if swallowed and enters airways.		
Symptoms/injuries after inhalation	: May cause respiratory tract irritation.		
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.		
Symptoms/injuries after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.		
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.		

SECTI	ON 12: Ecological information		
12.1.	Toxicity		
Ecology	- general	: May cause long-term adverse effects in the aquatic environment.	
12.2.	Persistence and degradability		
7501			
Persist	ence and degradability	Not established.	
12.3.	Bioaccumulative potential		
7501			
Bioacc	umulative potential	Not established.	
12.4.	Mobility in soil		
No addit	ional information available		
12.5.	Other adverse effects		
No addit	ional information available		
SECTION 13: Disposal considerations			
13.1.	Waste treatment methods		
Waste di	isposal recommendations	This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.	

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SECTION 14: Transport information	1
In accordance with DOT	
14.1. UN number	
Not applicable	
14.2. UN proper shipping name	
Not applicable	
14.3. Additional information	
Other information	: No supplementary information available.
Special transport precautions	: Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information			
15.1. US Federal regulations			
Distillates, petroleum, hydrotreated heavy naphthe	nic (64742-52-5)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
15.2. US State regulations			
7501			
State or local regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.		

#### SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

IARC	International Agency for Research on Cancer.
	<ol> <li>Carcinogenic to humans;</li> <li>Probably carcinogenic to humans;</li> <li>Possibly carcinogenic to humans;</li> <li>Not classifiable;</li> <li>Probably not carcinogenic to humans.</li> </ol>
NTP	National Toxicology Program.
	<ol> <li>Evidence of Carcinogenicity;</li> <li>Known Human Carcinogens;</li> <li>Reasonably anticipated to be Human Carcinogen;</li> <li>Substances delisted from report on Carcinogens;</li> <li>Twelfth Report - Items under consideration.</li> </ol>

SECTION 16: Other information		
Indication of changes	:	None.
Date of issue	:	04/30/2014
Other information	:	None.
NFPA health hazard	:	1
NFPA fire hazard	:	1
NFPA reactivity	:	0



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

