

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 01/01/2019 Supersedes:07/27/2015

Version: 1.2

Revis	sion date: 01/01	/2019 Supersedes:0	7/27/2015	Version: 1.2
SECTION 1: Identification of the s	substance	mixture and of the company/	undertaking	
1.1. Product identifier				
Product form	: Mixtu	re		
Trade name	: PREM	IIER OCTANE BOOST 12 FL.OZ. :		
Product code	4688			
1.2. Relevant identified uses of the s	ubstance or	mixture and uses advised against		
Use of the substance/mixture	: Octar	e Enhancer		
1.3. Details of the supplier of the saf	ety data she	et		
RPP Products, Inc. 219 S Riverside Ave. Rialto, CA 92376				
1.4. Emergency telephone number				
Emergency number	: CHEN	/ITREC 24 Hour 1-800-424-9300, 1-70	3-527-3887 (Inter	mational)
SECTION 2: Hazards identificatio	n			
2.1. Classification of the substance				
GHS-US classification				
Flam. Liq. 4 H227 Asp. Tox. 1 H304				
Full text of H statements : see section 16				
2.2. Label elements				
GHS-US labeling				
Hazard pictograms (GHS-US)		SHS08		
Signal word (GHS-US)	: Dang			
Hazard statements (GHS-US)	: H227	 Combustible liquid May be fatal if swallowed and enters 	airwaye	
Precautionary statements (GHS-US)	: P210 P280 P301 P331 P370 P403 P405 P501	 Way be ratal if swallowed and enters Keep away from all iginition sources. Wear protective gloves,protective clo P310 - If swallowed: Immediately call Do NOT induce vomiting P378 - In case of fire: See Section 5.1 P235 - Store in a well-ventilated place Store locked up Dispose of contents/container to app regional, national, international regulat 	- No smoking thing,eye protecti a poison control o Extinguishing M . Keep cool	center, doctor,physician, edia
2.3. Other hazards				
Other hazards not contributing to the classification		under normal conditions.		
2.4. Unknown acute toxicity (GHS US	S)			
No data available				
SECTION 3: Composition/Information	ation on in	gredients		
3.1.SubstanceNot applicable				
3.2. Mixture				
Name		Product identifier	%	GHS-US classification
Distillates (Petroleum), Hydrotreated Light		(CAS No) 64742-47-8	>= 95	Asp. Tox. 1, H304

Name	Product identifier	%	GHS-US classification
Distillates (Petroleum), Hydrotreated Light	(CAS No) 64742-47-8	>= 95	Asp. Tox. 1, H304
2-Methoxy-2-Methylpropane	(CAS No) 1634-04-4	1 - 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315

The exact percentage is a trade secret.

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures general	Respiratory arrest: artificial respiration or oxygen. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).	
First-aid measures after inhalation	Remove the victim into fresh air. If you feel unwell, seek medical advice. Allow victim to breathe fresh air. Allow the victim to rest.	
First-aid measures after skin contact	Wash contaminated clothing before reuse. If skin irritation occurs: seek medical attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.	
First-aid measures after eye contact	Get medical advice/attention. Immediately flush eyes thoroughly with water for at least 15 minutes. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.	
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.	
4.2. Most important symptoms and effects	s, both acute and delayed	
Symptoms/injuries :	If you feel unwell, seek medical advice.	
Symptoms/injuries after inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Symptoms/injuries after skin contact	May cause slight irritation . May cause moderate irritation. Itching. Red skin. Skin rash/inflammation.	
Symptoms/injuries after eye contact	May cause slight eye irritation . May cause severe irritation. Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue.	
Symptoms/injuries after ingestion	May be fatal if swallowed and enters airways.	
4.3. Indication of any immediate medical a No additional information available	ttention and special treatment needed	
SECTION 5: Firefighting measures		
5.1. Extinguishing media		
	Foam. Dry powder. Carbon dioxide. Water spray. Sand.	
Unsuitable extinguishing media	Do not use a heavy water stream.	
5.2. Special hazards arising from the subs	tance or mixture	
Fire hazard :	Combustible liquid.	
Explosion hazard :	May form flammable/explosive vapor-air mixture.	
Reactivity	On heating: release of harmful/irritant gases/vapours.	
5.3. Advice for firefighters		
Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.	
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.	
SECTION 6: Accidental release measu	ires	
6.1. Personal precautions, protective equi	pment and emergency procedures	
General measures	Eliminate ignition sources. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Use protective clothing. Ventilate area. Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.	
6.1.1. For non-emergency personnel		
Protective equipment	Gloves. Safety glasses.	
Emergency procedures	Evacuate unnecessary personnel.	
6.1.2. For emergency responders		
Protective equipment	Equip cleanup crew with proper protection.	
Emergency procedures	Ventilate area.	
6.2. Environmental precautions Prevent entry to sewers and public waters. Notify a	authorities if liquid enters sewers or public waters.	
6.3. Methods and material for containment and cleaning up		
	Dam up the liquid spill. Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.	
Methods for cleaning up	 Absorbed substance: shovel into drums. Cover spill with inert material, e.g.: sand, earth, vermiculite or kieselguhr, powdered limestone. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. 	
6.4. Reference to other sections		

See Heading 8. Exposure controls and personal protection.

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable. Keep away from heat,sparks,open flames,hot surfaces No smoking.	
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking.	
Handling temperature	: Do not heat or store at temperature above 120 F	
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash affected areas thoroughly after handling. Always wash hands after handling the product. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately.	
7.2. Conditions for safe storage, including any incompatibilities		
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Comply with applicable regulations. Provide local exhaust or general room ventilation. Take precautionary measures against static discharge.	
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep in fireproof place.	
Incompatible products	: Oxidizing agent. Strong bases. Strong acids.	
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.	

7.3. Specific end use(s)

Follow Label Directions.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

2-Methoxy-2-Methylpropane	(1634-04-4)	
USA ACGIH	ACGIH TWA (ppm)	50 ppm (Methyl-tert butyl ether (MTBE); USA; Time- weighted average exposure limit 8 h; TLV - Adopted Value)
Distillates (Petroleum), Hydro	otreated Light (64742-47-8)	
USA ACGIH	ACGIH TWA (ppm)	200 ppm 8 Hours
8.2. Exposure controls		
Appropriate engineering controls	 Provide adequate general and loca station. Local exhaust venilation, v 	al exhaust ventilation. Ensure good ventilation of the work ent hoods.
Personal protective equipment	: Gloves. Safety glasses. Avoid all u	innecessary exposure.
Materials for protective clothing	: GIVE EXCELLENT RESISTANCE	:
Hand protection	: Wear protective gloves.	
Eye protection	: Face shield. Chemical goggles or	safety glasses.
Skin and body protection	: Protective clothing.	
Respiratory protection	: Wear gas mask if concentration in type. Wear respiratory protection.	air > exposure limit. Respiratory protection of the dependent
Environmental exposure controls	Avoid release to the environment.	
•	: Avoid contact during pregnancy/wl	nile nursing.
Consumer exposure controls		

9.1. Information on basic physical and	d chemical properties
Physical state	: Liquid
Appearance	: Liquid.
Color	: Colourless to light yellow.
Odor	: Ethereal. Strong odour.
Odor threshold	: No data available
рН	: N/A
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Freezing point	: No data available
Boiling point	: >240 °C
Flash point	: 55 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: N/A
Relative vapor density at 20 °C	: No data available
Relative density	: 0.798
Solubility	: Poorly soluble in water. Water: < 2 % Slight
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 1.7 cSt @ 40 deg C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: 0.7 - 6 vol % Estimated
9.2. Other information	

VOC content

: 2.5 %

SECTION 10: Stability and reactivity

10.1. Reactivity

On heating: release of harmful/irritant gases/vapours.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7). Combustible liquid. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

May react violently with oxidants. Not established.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified	
RacePRO OCTANE BOOST 12 FL.OZ.		
LC50 inhalation rat (ppm)	23576 ppm/4h Methlyl tert-butyl ether (MTBE)	
2-Methoxy-2-Methylpropane (1634-04-4)		
LD50 oral rat	4000 mg/kg (Rat)	
LD50 dermal rat	> 6800 mg/kg (Rat)	
LD50 dermal rabbit	> 10000 mg/kg (Rabbit)	
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat)	
LC50 inhalation rat (ppm)	23576 ppm/4h (Rat)	
Distillates (Petroleum), Hydrotreated Light (64742-47-8)		
LD50 oral rat	> 5000 mg/kg body weight	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 inhalation rat (mg/l)	> 5.28 mg/l/4h Based on lack of mortality and systemic effects	
Skin corrosion/irritation	: Not classified	
	pH: N/A	
Serious eye damage/irritation	: Not classified	
	pH: N/A	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

	-
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
2-Methoxy-2-Methylpropane (1634-04-4)	
IARC group	3
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/injuries after skin contact	: May cause slight irritation . May cause moderate irritation. Itching. Red skin. Skin rash/inflammation.
Symptoms/injuries after eye contact	: May cause slight eye irritation . May cause severe irritation. Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

Toxicity 12.1.

2-Methoxy-2-Methylpropane (1634-04-4)	
LC50 fish 1	672 - 706 mg/l (LC50; 96 h; Pimephales promelas)
EC50 Daphnia 1	651 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
2.2. Persistence and degradability	
PREMIER OCTANE BOOST 12 FL.OZ.	
Persistence and degradability	Not established.
2-Methoxy-2-Methylpropane (1634-04-4)	
Persistence and degradability	Not readily biodegradable in water.
Distillates (Petroleum), Hydrotreated Lig	ht (64742-47-8)
Persistence and degradability	Not established.
2.3. Bioaccumulative potential	
PREMIER OCTANE BOOST 12 FL.OZ.	
Bioaccumulative potential	Not established.
2-Methoxy-2-Methylpropane (1634-04-4)	
BCF fish 1	1.5 (BCF; 672 h)
Log Pow	1.06 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Distillates (Petroleum), Hydrotreated Lig	ht (64742-47-8)
Bioaccumulative potential	Not established.
2.4. Mobility in soil	
2-Methoxy-2-Methylpropane (1634-04-4)	
Surface tension	0.020 N/m (20 °C)
2.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal considerat	tions
3.1. Waste treatment methods	
Vaste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of

: Avoid release to the environment. Hazardous waste due to toxicity.

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information

	DR / RID / IMDG / IATA / ADN
US DOT (ground):	UN1993, Flammable liquids, n.o.s. (Petroleum Distillates, MTBE), 3, III, Limited Quantity
ICAO/IATA (air):	UN1993, Flammable liquids, n.o.s. (Petroleum Distillates, MTBE), 3, III, Limited Quantity
IMO/IMDG (water):	UN1993, Flammable liquids, n.o.s. (Petroleum Distillates, MTBE)(55 deg C c.c.), 3 , III, Limited Quantity
Special Provisions:	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672) T4 - 2.65 178.274(d)(2) Normal
14.2. UN proper s	shipping name

14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Flammable liquids, n.o.s. (Petroleum Distillates, MTBE)
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
DOT Symbols	: G - Identifies PSN requiring a technical name
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672) T4 - 2.65 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
14.3. Additional information	
Other information	: No supplementary information available.
Overland transport No additional information available Transport by sea	
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Air transport

DOT Quantity Limitations Passenger aircraft/rail : 60 L (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 220 L CFR 175.75)

SECTION 15: Regulatory information				
15.1. US Federal regulations				
PREMIER OCTANE BOOST 12 FL.OZ.				
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard Delayed (chronic) health hazard			
2-Methoxy-2-Methylpropane (1634-04-4)				
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard			
Distillates (Petroleum), Hydrotreated Light (64742-47-8)				
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard			

15.2. International regulations

CANADA

PREMIER OCTANE BOOST 12 FL.OZ.		
WHMIS Classification Class B Division 2 - Flammable Liquid		
Distillates (Petroleum), Hydrotreated Light (64742-47-8)		
Listed on the Canadian DSL (Domestic Substances List)		
Uncontrolled product according to WHMIS classification criteria		

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

R10

Full text of R-phrases: see section 16

15.2.2. National regulations

No additional information available

15.3. US State regulations

PREMIER OCTANE BO	OST 12 FL.OZ.			
U.S California - Proposition 65 - Carcinogens List		No		
U.S California - Proposition 65 - Developmental Toxicity		No		
U.S California - Proposition 65 - Reproductive Toxicity - Female		No		
U.S California - Proposition 65 - Reproductive Toxicity - Male		No		
2-Methoxy-2-Methylpro	pane (1634-04-4)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	
Distillates (Petroleum),	Hydrotreated Light (64742-47-	-8)		<u>.</u>
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other informat	tion	
Other information	: None.	
Full text of H-phrases:		
H225	Highly flammable liquid and vapor	
H227	Combustible liquid	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
NFPA health hazard NFPA fire hazard NFPA reactivity	 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. 	
HMIS III Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	: 2 Moderate Hazard	
Physical	: 0 Minimal Hazard	
Personal Protection	: В	

SDS US (GHS HazCom 2012) - TCC

The Supplier identified in Section 1 of this SDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.