



## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Redex Octane Booster**  
Product Code: RADD2501A  
Product Use: Fuel Additive  
Restriction of Use: Refer to Section 15

Australian Supplier: **Filpro Automotive Australia PTY Ltd**  
Address: 6A 938 South Road  
Edwardstown  
SA 5039  
Telephone: 1800 155 879  
Email: info@filpro.com.au

**Emergency Telephone: 13 11 26 (National Poison Centre)**

Holt Lloyd International  
Address: Barton Dock Road  
Manchester M32 0YQ England  
Inquires +44 161 866 4800

Date of SDS Preparation: 4 March 2021

### Section 2. Hazards Identification

**This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001**

**EPA Approval No: Fuel Additives (Flammable) – HSR002523**

#### Pictograms



Flammable



Toxic/Irritant



Chronic

Signal Word: DANGER

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1C	H226	Flammable liquid and vapour.	Category 3
6.1D (oral) (inhalation)	H304	Maybe fatal if swallowed and enters airways	Category 4
6.1D (dermal)	H312	Harmful in contact with skin.	Category 4
6.1D (inhalation)	H336	May cause drowsiness or dizziness.	Category 4
6.4A	H319	Causes serious eye irritation.	Category 2A
9.3C	H433	Harmful to terrestrial vertebrates.	

Prevention Code	Prevention Statement
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Product Name: RADD2501A  
Date of SDS: 4 March 2021

P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe mist, vapours, or spray.
P264	Wash exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, and eye protection.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Naphtha (petroleum) hydrotreated heavy	60-100	64742-48-9
Petroleum Naphtha Distillates	<1	64742-94-5
Solvent Naphtha Light aroma	<1	64742-95-6
Trimethylbenzene	<1	95-63-6
Methycyclopentadienyl manganese tricarbonyl	<1	12108-13-3
Naphthalene	<1	91-20-3
Cumene	<1	98-82-8

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes                      Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice. Seek medical attention if you feel unwell.

If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: get medical advice/attention. Seek medical attention if large area exposed.
If Swallowed	Rinse mouth. DO NOT induce vomiting. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER (13 11 26) or a doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell.

## **Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Flammable Liquid
<b>Hazards from combustion products</b>	Carbon monoxide, carbon dioxide.
<b>Suitable Extinguishing media</b>	Use CO <sub>2</sub> , dry powder, or chemical foam for extinction. Always choose fire-extinguishing media appropriate for surrounding materials.
<b>Precautions for firefighters and special protective clothing</b>	Wear full protective gear.
<b>HAZCHEM CODE</b>	<b>3Y</b>

## **Section 6. Accidental Release Measures**

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel.

### **CONTAINMENT TECHNIQUES**

Do not discharge into drains. Stop spill at source. Dike area & contain. Remove all sources of ignition

### **SPILL CLEAN UP METHODS**

Do not flush with water. Allow residues to evaporate

Do not contaminate water sources or sewer. Collect for reclamation or absorb in vermiculite, dry sand or similar material.

See Section 13 for disposal details.

## **Section 7. Handling and Storage**

### **Precautions for Handling:**

- Keep out of reach of children.
- Read label before use.
- Do not spray on or near an open flame or other ignition source.
- Do not breathe mist, vapours, or spray.
- Wash exposed skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves, protective clothing, and eye protection.

### **Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children
- Store locked up in a well-ventilated place.

- Store away from sunlight. Keep cool.
- Store above freezing.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	Std	TWA - 8 hrs		STEL – 15 min	
Petroleum naphta heavy aromatic	WEL	500 ppm			2000mg/m3
NAPHTHALENE	WEL	10 ppm	53mg/m3	15 ppm	80mg/m3
1,2,4 TRIMETHYLBENZE	WEL	25 ppm	125mg/m3		
CUMENE	WEL	25 ppm	125mg/m3	50 ppm	250mg/m3

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.*

### Engineering Controls

Ensure adequate ventilation is available.

### Personal Protection

<b>Eyes</b>	Wear goggles with side shields. Avoid wearing contact lenses.
<b>Hands and Skin</b>	Use suitable protective gloves if risk of skin contact. Wear appropriate protective clothing to prevent skin contact.
<b>Respiratory</b>	If ventilation is poor, use appropriate cartridge respirator.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Red Liquid
<b>Odour</b>	Aromatic Hydrocarbons
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	Not applicable
<b>Boiling Point</b>	130 C
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Flash Point</b>	44 C (cc)
<b>Flammability</b>	Extremely Flammable
<b>Upper and Lower Exposure Limits</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density</b>	Not applicable
<b>Relative Density</b>	Not applicable
<b>Solubilities</b>	Immiscible with water
<b>Partition Coefficient:</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not applicable
<b>Kinematic Viscosity</b>	Not applicable
<b>Particle Characteristics</b>	Not applicable

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Keep away from heat, sparks, open flames and hot surfaces
<b>Incompatible Materials</b>	No specific material
<b>Hazardous Decomposition Products</b>	Carbon dioxide, carbon monoxide.

**Section 11 Toxicological Information****Acute Effects:**

<b>Swallowed</b>	Harmful if swallowed. LD <sub>50</sub> = 366.764mg/kg (calculated)
<b>Dermal</b>	Harmful in contact with skin. LD <sub>50</sub> = 1250mg/kg (calculated)
<b>Inhalation</b>	Harmful if inhaled. LC <sub>50</sub> = 12.5mg/L (calculated)
<b>Eye</b>	Causes serious eye irritation.
<b>Skin</b>	Not applicable.

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Suspected of causing damage to fertility or the unborn child.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Low. Possible aspiration effects.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Causes damage to internal organs (eyes, nervous system).

**Section 12. Ecotoxicological Information**

HSNO Classes: 9.3C = Harmful to terrestrial invertebrates.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

Do not allow to enter waterways.

**Section 13. Disposal Considerations****Disposal Method:**

**Precautions:** Dispose of waste according to Local regulations. Collected spillage and unused product must be placed in a sealable waste container for disposal through a disposal company.

**Disposal methods to avoid:** Do not allow product to enter sewers, streams, or waterways

**Section 14 Transport Information**

**This product is classified as a Dangerous Good in Australia in accordance with ADG code**

Road and Rail Transport

UN No: 1993  
 Class-primary 3  
 Packing Group III  
 Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.

Air Transport

UN No: 1993  
 Class-primary 3  
 Packing Group III  
 Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.

Marine Transport

Product Name: RADD2501A  
 Date of SDS: 4 March 2021

UN No:	1993
Class-primary	3
Packing Group	III
Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S.
Marine Pollutant	Yes

## Section 15 Regulatory Information

EPA Approval Code: **Cleaning Products (Flammable) – HSR002528**

HSNO Classification: 3.1C, 6.1D(oral), 6.1D(dermal), 6.1D(inh), 6.4A, 9.3C

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	3000L awc
Location Certificate	3000L awc
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	3000L awc
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	None

## Section 16 Other Information

### Glossary

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit
AWC	Aggregate water capacity

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

### Disclaimer

This document has been issued by Filpro Automotive Ltd and serves as their Safety Data Sheet ('SDS'). It represents the appropriate safety and handling precautions for the product at the time of issue. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated., it does not provide any warranty as to accuracy or completeness. Please contact the country distributor, if further information is required.

Issue Date:	28 March 2018	Review Date:	28 March 2023
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