

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA
GHS

Printing date: 2021-07-20

Revision: 20 July 2021

Trade name: Rislone® Hy-per Fuel Octane Boost

(Cont'd. from page 7)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Toxic if inhaled.

LD/LC50 values relevant for classification:

12108-13-3 tricarbonyl(methylcyclopentadienyl)manganese

Oral	LD50	58 mg/kg (rat)
Dermal	LD50	140 mg/kg (rabbit)
Inhalative	LC50/4h	0,076 mg/l (rat)

Primary irritant effect

• **Skin corrosion/irritation:** Slight irritant effect on skin and mucous membranes.

• **Serious eye damage/irritation:** Slight irritant effect on eyes.

• **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

Carcinogenic categories

IARC (International Agency for Research on Cancer):

91-20-3	naphthalene	2B
---------	-------------	----

NTP (National Toxicology Program):

91-20-3	naphthalene	R
---------	-------------	---

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

Probable routes of exposure:

Ingestion.

Inhalation

Eye contact.

Skin contact.

Acute effects (acute toxicity, irritation and corrosivity):

Toxic if inhaled.

Vapours have narcotic effect.

• **Repeated dose toxicity:** Danger of very serious irreversible effects.

• **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.

• **STOT-single exposure:** Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Causes damage to the central nervous system through prolonged or repeated exposure.

Aspiration hazard:

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

• **Aquatic toxicity:** Harmful to aquatic life with long lasting effects.

(Cont'd. on page 9)

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA
GHS

Printing date: 25 July 2016

Revision: 20 July 2021

Trade name: Rislone® Hy-per Fuel Octane Boost

(Cont'd. from page 8)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:**
Harmful to fish
Due to mechanical actions of the product (e.g. agglutinations), damages may occur.
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Contact waste processors for recycling information.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number · DOT | <p>Not Regulated
Reclassified as combustible under US DOT regulations. Labeling is only required for single packages ≥ 119 US gal / 450 L to include Combustible symbol and Proper Shipping Name.</p> |
| <ul style="list-style-type: none"> · ADR, IMDG, IATA | <p>UN1993</p> |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · DOT · ADR, IMDG · IATA | <p>Not Regulated
FLAMMABLE LIQUID, N.O.S. (Stoddard solvent)
Flammable liquids, n.o.s. (Stoddard solvent)</p> |

(Cont'd. on page 10)

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA
GHS

Printing date: 25 July 2016

Revision: 20 July 2021

Trade name: Rislone® Hy-per Fuel Octane Boost

(Cont'd. from page 9)

· **14.3 Transport hazard class(es)**

· DOT
· Class Not Regulated

· ADR



· Class 3 (F1) Flammable liquids.
· Label 3

· IMDG, IATA



· Class 3 Flammable liquids.
· Label 3

· **14.4 Packing group**

· DOT Not Regulated
· ADR, IMDG, IATA III

· **14.5 Environmental hazards:**

· Marine pollutant: No

· **14.6 Special precautions for user**

· Warning: Flammable liquids.
· Danger code (Kemler): 30
· EMS Number: F-E,S-E

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· ADR



Limited Quantity for packages less than 30 kg and inner packagings less than 5L.

· IMDG



Limited Quantity for packages less than 30 kg and inner packagings less than 5L.

(Cont'd. on page 11)

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA
GHS

Printing date: 25 July 2016

Revision: 20 July 2021

Trade name: Rislone® Hy-per Fuel Octane Boost

(Cont'd. from page 10)

· IATA



Limited Quantity for packages less than 30 kg and inner packagings less than 10L.

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **United States (USA)**

· **SARA**

· **Section 355 (extremely hazardous substances):**

12108-13-3	tricarbonyl(methylcyclopentadienyl)manganese
------------	--

· **Section 313 (Specific toxic chemical listings):**

12108-13-3	tricarbonyl(methylcyclopentadienyl)manganese
------------	--

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**

Present in trace quantities.

91-20-3	naphthalene
---------	-------------

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer)**

91-20-3	naphthalene	2B
---------	-------------	----

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients are listed.

(Cont'd. on page 12)

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA
GHS

Printing date: 25 July 2016

Revision: 20 July 2021

Trade name: Rislone® Hy-per Fuel Octane Boost

(Cont'd. from page 11)

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H310 Fatal in contact with skin.

H330 Fatal if inhaled.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

LDLo: Lowest Lethal Dose Observed

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 1: Acute toxicity – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **Sources**

(Cont'd. on page 13)

Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA
GHS

Printing date: 25 July 2016

Revision: 20 July 2021

Trade name: Rislone® Hy-per Fuel Octane Boost

(Cont'd. from page 12)

Website, European Chemicals Agency (echa.europa.eu)Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com