



CHEMPOL 4155

MATERIAL SAFETY DATA SHEET

NON-HAZARDOUS/ NON-DG

CHEMPOL ADDITIVES & CHEMICALS urges the recipient of this Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety, you should (1) notify your employees, agents and contractors of the information on this sheet, (2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT IDENTIFIER

PRODUCT FORM: LIQUID MIXTURE

TRADE NAME/DESIGNATION: CHEMPOL 4155 Performance Additive

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

<u>1.2.1. RELEVANT IDENTIFIER USES</u>
Formulation of Additive Packages, Lubricants and Greases – Industrial
General uses of Lubricants and Greases in Vehicle and machinery – Industrial
General uses of Lubricants and Greases in Vehicle and machinery – Professional

<u>1.2.2. USES ADVISED AGAINST</u>
It's advised to not use it other than the relevant identifier uses.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

CHEMPOL ADDITIVES & CHEMICALS

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

PRODUCT DEFINITION: Mixture

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

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Aquatic Chronic 2, H411

See Section 11 for more detailed information on health effects and symptoms. See Section 12 for environmental precautions.

See Section 16 for the full text of the H statements declared above



SECTION 3: Composition/information on ingredients

Substance/mixture: Mixture

Product/ingredientname	Identifiers	%	Regulation (EC) No.1272/2008 [CLP]	Type
Distillates (petroleum), hydrotreated heavy paraffinic	REACH #: 01-2119484627-25 EC: 265-157-1 CAS: 64742-54-7	≥15 - ≤25	Not classified.	[2]
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	REACH #: 01-2119474878-16 EC: 276-737-9 CAS: 72623-86-0	≥5 - ≤10	Asp. Tox. 1, H304	[1][2]
bis(nonylphenyl)amine	REACH #: 01-2119488911-28 EC: 253-249-4 CAS: 36878-20-3	≥3 - ≤5	Aquatic Chronic 4, H413	[1]
Distillates (petroleum), hydrotreated light paraffinic	REACH #: 01-2119487077-29 EC: 265-158-7 CAS: 64742-55-8	≥1 - ≤3	Not classified.	[2]
1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol	REACH #: 01-2119976351-35 EC: 293-927-7 CAS: -	≥1 - ≤3	Aquatic Chronic 3, H412	[1]
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol	REACH #: 01-2119510877-33 EC: 620-540-6 CAS: -	≥1 - ≤2.9	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1]
3-((C9-11-iso,C10-rich)alkyloxy)propan-1-amine	REACH #: 01-2119974116-35 EC: 939-485-7 CAS: -	≥0.1 - ≤0.3	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=1)	[1]
(Z)-N-9-octadecenylpropane-1,3-diamine	REACH #: 01-2119487002-46 EC: 230-528-9 CAS: 7173-62-8	≤0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1]
dimantine	REACH #: 01-2119486676-20 EC: 204-694-8 CAS: 124-28-7	≤0.1	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1]



There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

The mineral oils in the product contain < 3% DMSO extract (IP 346).

If REACH registration numbers do not appear the substance is either exempt from registration, does not meet the minimum volume threshold for registration, the registration date has not yet come due or this information is proprietary.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

SECTION 4: First aid measures

Inhalation:

Remove to fresh air. Obtain medical attention. If breathing is difficult, administer oxygen.

Ingestion:

If affected person is conscious, give plenty of water to drink. Drink two large glasses of water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Skin contact:

Wash skin with soap and water. Obtain medical attention.

Eye contact:

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media:

In case of fire, use water spray (fog), foam, and dry chemicals.

Fire-Fighting procedures:

Fire fighters should wear positive pressure NIOSH approved self-contained breathing apparatus (SCBA) and full turnout gear.

Hazardous Decomposition Products:

Carbon oxides (CO, CO₂)



SECTION 6: ACCIDENTAL RELEASE MEASURES

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills like spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

SECTION 7: HANDLING AND STORAGE

Handling:

Wash thoroughly after handling.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment:

Respiratory System:

Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).

Skin and Body:

Disposable outer garments when there is the potential for contact with the material.

Hands:

Use chemical resistant, impervious gloves.

Eyes:

Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance: Viscous Dark Brown Liquid

Specific Gravity : 0.9 – 0.95 at 15.6 °C

Viscosity : 270 cSt at 100 °C

Flash Point, (COC) : >140 °C.

SECTION 10: STABILITY AND REACTIVITY

Stability : The product is stable.

Materials to avoid : Strong oxidizing and reducing agents.

Conditions to avoid : None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry : Absorbed through skin, inhalation, ingestion.

Target Organs : Contains material which may cause damage to the following organs: blood, gastrointestinal tract, skin, lungs, central nervous system (CNS), nose/sinuses



Acute Effect

- Inhalation : Irritating to respiratory system.
- Ingestion : Aspiration hazard if swallowed.
- Skin Contact : May cause sensitization by skin contact.
- Eye Contact : Irritating to eyes.

Chronic Effects

- Adverse Effects : This product contains a component that may cause methemoglobinemia. This product contains an aryl amine that has been shown to cause skin sensitization in a small number of occupationally – exposed persons.

- Carcinogenic Effects : Not classified

SECTION 12: ECOLOGICAL INFORMATION

- Environmental Hazards : Not available.
- Environmental Fate : Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations or incinerate.

SECTION 14: TRANSPORT INFORMATION

Department of transportation Classification: Not hazardous by US DOT Regulations.
INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is not classified as Dangerous Goods, by rules of IATA

- Dot Proper Shipping Name : Not Applicable
- Other Requirements : Not Applicable

SECTION 15: REGULATORY INFORMATION

Regulatory Lists Searched: The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See Regulatory Search Results below.

Health & Safety: 10 - IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 22 - FDA 21 CFR Total food additives, 23 - NFPA 49 or 325

Environmental: 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depleters, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCM, 41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for Listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S) MCLs



SARA Section 313:

Chemical CAS Number Percent in Product : Zinc Components Mixture < 13
IARC : No information available

SARA 311 / 312 Categories:

- | | |
|--------------------------------------|------|
| 1. Immediate (Acute) Health Effects | : No |
| 2. Delayed (Chronic) Health Effects | : No |
| 3. Fire Hazard | : No |
| 4. Sudden Release or Pressure Hazard | : No |
| 5. Reactivity Hazard | : No |

Chemical Inventories:

Canadian WHMIS Classification : Not a controlled substance under WHMIS

European Union Classification

Hazard Symbols : No classification recommended

Risk Phrases : No classification recommended

Safety Phrases : No classification recommended

WHMIS Classification : This product is not considered a controlled Product according to the criteria of the Canadian Controlled products Regulations.

SECTION 16: OTHER INFORMATION

The opinions expressed herein are those of qualified experts. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Chempol, it is the user's obligation to determine the conditions of safe use of the products.