

Material Safety Data Sheet December 05, 2019

1. Chemical Product

General Product Name: TDK Gen 2 Tire Sauce
Synonyms: Methyl Palmitate
Product Description: Methyl ester from lipid sources
CAS Number: Methyl Palmitate: 67762-38-3

2. Composition/Information on Ingredients

This product contains no hazardous materials

3. Hazard Identification

Potential Health Effects:

INHALATION:

Negligible unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea.

Remove to fresh air.

EYE CONTACT:

May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.

SKIN CONTACT:

Prolonged or repeated contact is not likely to cause significant skin irritation.

Ingestion:

No hazards anticipated from ingestion incidental to exposure.

4. First Aid Measures

INHALATION:

Remove from area of exposure. Seek medical attention if symptoms persist.

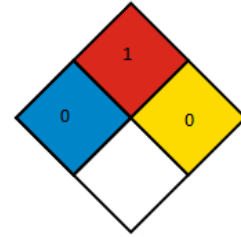
EYES:

Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes.

SKIN:

Wash exposed areas with soap and water

INGESTION:



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Give one or two glasses of water to drink. If gastro-intestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person.)

5. Fire Fighting Measures

Flash Point (Method Used): 218 C min (Pensky-Marten Closed Cup)

Flammability Limits: None Known

EXTINGUISHING MEDIA:

Dry chemical, foam, halon, CO₂, water spray. Water stream may splash the burning liquid and spread fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Use water spray to cool drums exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

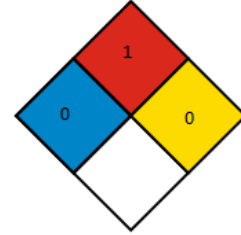
Methyl Cocoate soaked rags or spill absorbents can cause spontaneous combustion if stored near combustibles and not handled properly. Store Methyl Cocoate soaked rags and spill absorbents in approved safety containers and dispose of properly. Soaked rags may be washed with soap and water and allowed to dry in a well-ventilated area. Fire fighters should use self-contained breathing apparatus to avoid exposure to smoke and vapor.

6. Accidental Release Measures Spill Clean-Up Procedures

Remove sources of ignition, contain spill to the smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials and dispose of properly to avoid spontaneous combustion (see unusual fire and explosion section above).

Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining film. Greasy nature will result in a slippery surface.

7. Handling and Storage



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Store in closed containers between 40F and 120F.

Keep away from oxidizing agents, excessive heat, and ignition sources.

Store and use in well ventilated areas.

Do not store or use near heat, spark, or flame. Store out of sun.

8. Exposure Control / Personal Protection

RESPIRATORY PROTECTION:

If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator.

PROTECTIVE CLOTHING:

Safety glasses, goggles, or a face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommend to prevent skin contact.

OTHER PROTECTIVE MEASURES:

Wash exposed areas of skin and launder contaminated clothing before re-use.

9. Physical and Chemical Properties

Boiling point, 760 mm Hg: >204C

Specific Gravity: 0.86

Vapor Pressure, mm Hg: <2

Vapor Density: >1

Appearance and Odor: pale yellow liquid, faint odor

Volatiles, % by Volume: <2

Solubility in H₂O: Insoluble

Evaporation Rate, Butyl Acetate=1: <1

10. Stability and Reactivity

General:

This product is stable and hazardous polymerization will not occur.

Incompatible Materials and Conditions to Avoid:

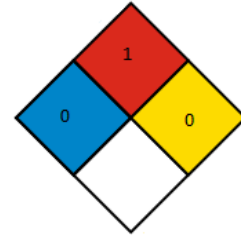
Strong oxidizing agents.

Hazardous Decomposition Products:

Combustion produces carbon monoxide, carbon dioxide along with thick smoke

11. Disposal Considerations

Waste Disposal:



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Waste may be disposed of by a licensed waste disposal company. Contaminated absorbent material may be disposed of in an approved landfill. Follow local, state and federal disposal regulations.

12. Transport Information

UN Hazard Class: N/A

NMFC:

Proper Shipping Name: Fatty acid ester

Identification Number: 144920

Shipping Classification: 65

13. Regulatory Information:

OSHA:

This product is not hazardous under the criteria of the federal OSHA hazard communication standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as noted in Sections 2 and 3.

TSCA:

This product is listed on TSCA

CERCLA:

Not Reportable

SARA TITLE III:

Section 312: None

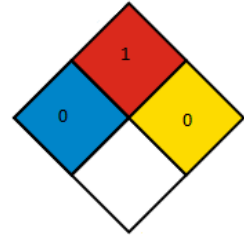
Section 311/312: Non-hazardous under Section 311/312

Section 313: None

RCRA:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

Prop 65:

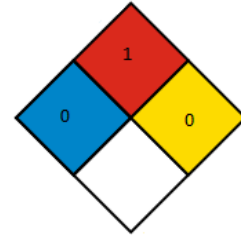


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The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains no chemicals known to the state of California to cause cancer.

14. Other Info:

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 other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, expressed or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.



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Environmental and Safety Information

Acute Oral Toxicity/Rates:

High Grip Tire Sauce is nontoxic. Acute oral LD50 is greater than 17.4 g/kg body weight. Table salt is 10 times more toxic.

Skin Irritation:

24-hour human patch test indicated that undiluted High Grip Tire Sauce produced very mild irritation. The irritation was less than the result produced from a 4% soap and water solution.

Biodegradability:

Within 28 days, High Grip Tire Sauce degrades 85 to 88% in water.

Flash Point:

Flash point is over 200F.