



West River Chemicals
www.westriverchemicals.com

V-Kat[®]

21st Century Technology developed in America by WestRiver Chemicals

Material Safety Data Sheet

Manufacturer's Name: West River Chemicals

Date Prepared: December 2014

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Emergency Phone: +(502) 4631-8670

I. General Information

General Product Name: V-Kat

Synonym: Vanadium catalyst

Generic Description: Deep orange, flammable liquid.

II. Composition/Information on Ingredients

This composition contains an active vanadium oxidation catalyst in inert, slightly oily, flammable organic solvents

III. Hazards Identification

This material is not considered hazardous.

HMIS Rating: **Health 1**
 Fire 1
 Reactivity 0

IV. Health Risks/First Aid Measures

Inhalation: Vapors may be irritant.

Ingestion: Avoid ingestion, toxic composition, call physician.

Skin Contact: Can cause dermatitis and irritation. Rinse promptly with abundant water.

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Eye Contact: May cause severe irritation. Flush eyes with running water for fifteen (15) consecutive minutes and call physician.

V. Fire Fighting Measures

Flash point:50°F

Extinguishing Media: Do not use water to extinguish. Select the proper media to extinguish a surrounding fire.

VI. Accidental Release Measures

Spill Procedures:Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

VII. Handling and Storage

Handling Procedures:Keep containers closed when not in use. Wash thoroughly after handling.

Storage Procedures: No special storage precautions required. Always keep this catalyst closed in its original container under normal temperatures. Do not freeze.

VIII. Exposure Control/Personal Protection

Respiratory Protection:Use mask and filters for hydrocarbonproducts.

Hand Protection: Chemical rubber gloves required.

Eye Protection: Goggles

Protective Clothing or Equipment: Chemical apron and rubber boots are recommended.

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IX. Physical and Chemical Properties

Boiling Range: 100 to 125°F

Specific Gravity: 0.92

Solubility in Water: Slightly soluble.

Appearance and Odor: Deep orange, low viscosity liquid, somewhat metallic odor.

X. Stability and Reactivity

Stability: Stable

Reactivity: Oxidation catalyst for sulfur substances

Incompatibility: Strong mineral acids and bases

Hazardous Polymerization: Will not take place

Hazardous Combustion Products: Ashes will contain vanadium dust

XI. Toxicological Information

V-Kat should be considered toxic, like all vanadium products. This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

XII. Ecological Information

Environmental Toxicity: No data available

XIII. Disposal Considerations

Disposal Methods: This material is not regulated under RCRA Regulations.

XIV. Transport Information

DOT Class: Not regulated

ICAO/AITA: Not regulated

IMDG: Not regulated

UN/NA No: Not regulated

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IMO Class: Not regulated

XV. Regulatory Information

All components of this material are on the US TSCA Inventory or are exempt.

Disclaimer

The information provided herein is believed to be accurate and represents the best knowledge we have. However, we make no warranty or guarantee of any kind, expressed or implied regarding the said information and product, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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