

# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** Constant Velocity (C.V.) Joint Grease

**Manufactured by:**

Wuxi Feitian Grease Co. Ltd  
Wuxi City, Jiangsu Province, China

Tel: 0086-510-85309877  
Fax: 0086-510-85308436

---

## Section 2: Hazards Identification

Emergency Overview
--------------------

Appearance & Odour: Grey semi-solid to slid grease with a faint petroleum odour.
--

As defined by OSHA's Hazard Communication Standard, this product is non-hazardous.

### Potential Health Effects:

**EYE:** May cause irritation.

**SKIN:** Repeated or prolonged contact can result in drying of the skin.

**INHALATION:** Heating can generate vapours that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product.

**INGESTION:** Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

**CHRONIC EFFECTS:** Unknown

**TARGET ORGANS:** None known.

Medical Conditions Aggravated by Exposure:

Skin or respiratory conditions

See Section 11 for toxicology and carcinogenicity on product ingredients.

### Section 3: Composition / Information on Ingredients

<b>COMPONENT</b>	<b>% by Wt.</b>
HAS	7-15
Basic Oil	85-95
Antioxidant	0.1-0.5
Extreme Pressure Antiwear Additive	0.5-2

---

### Section 4: First Aid Measures

EYE CONTACT:	Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
SKIN CONTACT:	Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
INHALATION:	Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing difficult is difficult, give oxygen. Call a physician.
INGESTION:	Do not induce vomiting. Seek medical attention.
<i>Note to Physicians:</i>	None available.

---

### Section 5: Fire-Fighting Measures

Flammable Properties:	This product is non-flammable.		
	Flash Point:	> 232 °C (COC)	Upper Explosive Limit: ND
	Autoignition Temp:	ND	Lower Explosive Limit: ND
Suitable Extinguishing Media:	CO2, dry chemical, sand, dolomite, alcohol resistant foam, water spray		
Products of Combustion:	Oxides of carbon. Sulphur.		
Protection of Firefighters:	Firefighters should wear self contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from chemical decomposition. Avoid water in straight hose stream as it will scatter and spread fire.		

---

## Section 6: Accidental Release Measures

Personal Precautions:	Use personal protection recommended in Section 8. Minimize skin contact.
Environmental precautions:	Take precautions to prevent contamination of ground and surface waters. Do not flush.
Methods for Containment & Cleanup:	Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

---

## Section 7: Handling and Storage

Handling Procedures:	Keep container away from heat, sparks, and open flame. High temperatures may Produce irritating vapors. Eyes wash station should be available at work place. Keep containers closed when not in use. Ventilate well, especially in warmer environments.
Storage Procedures:	Store in a cool dry area out of direct sunlight. Store separated from acids and oxidizing materials. Store away from sparks and open flame.
Aerosol Storage Level:	NA

## Section 8: Exposure Controls/Personal Protection

Engineering Controls:	Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. Use mechanical means if necessary to maintain vapour levels below the exposure guidelines. If working in a confined space, follow applicable OHSA regulations.
Respiratory Protections:	None required for normal work where adequate ventilation is provided. Use appropriate class of Respirators based on the CSA Standard 'Selection, Use and Care of Respirators' Z94.4-02 when in low circulation areas and for emergencies.
Eye/Face Protection:	For normal conditions wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.
Skin/Protection:	Use protective gloves such as latex or rubber. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

---

## Section 9: Physical and Chemical Properties

Physical State: Semi-solid grease

Color: Grey

Odour: mild petroleum  
Specific Gravity: 0.90 @ 15.5 °C  
Initial Boiling Point: ND  
Freezing Point: ND  
Vapor Pressure: <0.5mmHg @ 20 °C  
Vapor Density: >5 (air=1)  
Evaporation Rate: <0.01 (butyl acetate=1)  
Solubility: Insoluble in water  
pH: NA  
Volatile Organic Compounds: wt%: <0.1 g/L: <0.90 lbs./gal: <0.007

---

## Section 10: Stability and Reactivity

Stability: Stable  
Conditions to Avoid: None  
  
Incompatible materials: Avoid contact with acids and oxidizing substances.  
  
Hazardous Decomposition Products: Oxides of carbon. Sulphur  
  
Possibility of Hazardous Reactions: No

---

## Section 11: Toxicological Information

Long-term toxicological studies have been conducted for this product. The following information is available for components of this product.

### ACUTE EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Paraffinic distillates	LD50	>500 mg/kg	Dermal	Rabbit

### CHRONIC EFFECTS

#### Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: None available

Other: Naphthenic distillates Base oils of this product contain <3%DMSO Extractable total polycyclic aromatic compound (PAC) per IP 346.

---

## SECTION 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: None available

Persistence/Degradability: None available

Bioaccumulation/Accumulation: None available

Mobility in Environment: None available

---

## Section 13: Disposal Considerations

Disposal information: Dispose of material in accordance to local, state and federal regulations and ordinances. In Ontario, follow the Ontario Regulation 153/04.

---

## Section 14: Transport Information

U.S. DOT Hazard Classification: Not Regulated

Canadian TDG Classification: Not Regulate

Special Provisions: None

---

## Section 15: Regulatory Information

Canadian Regulations:

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List or exempt from notification.

Canadian WHMIS Classification: Not a controlled product.

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

---

## Section 16: Other Information

WHMIS:            Health: 1                      Flammability: 1            Reactivity: 0            PPE: B

Changes since last revision:            The MSDS complies with OSHA guidelines and the Canadian WHMIS regulations.

DISCLAIMER OF LIABILITY: The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of knowledge or obtained from sources believed to be accurate. Before using any product, read all warnings and direction on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Litre
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration	COC:	Cleveland Open Cup
ACGIH	American Association of Government Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		
Mmppcf	Millions of particles per cubic foot (of air)		
OHSA	Occupational Health and Safety Act		
WHMIS	Workplace Hazardous Materials Information System		
CPR	Controlled Products Regulation		

Last Revision Date:            30 May, 2014

Product:                            CV Grease