SAFETY DATA SHEET

Issue Date June 2013 **Revision Date** October 2013 **Version** 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Universal™ Suspension Fluid

Other Means of Identification

SDS # 51425/SDS/I02

Product Code 51425

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Silicon suspension fluid for silicon charged struts.

Details of the Supplier of the Safety Data Sheet

Supplier Address 6120 East 58th Avenue
Commerce City, Colorado 80022

Emergency Telephone Number

Company Phone Number(s)

Toll-Free: 1-866-525-3615

24 Hour Emergency Telephone

INFOTRAC: 1-800-535-5053 (North America)
INFOTRAC: 1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Classification

Serious Eye Damage/Eye Irritation	Category 2
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 2A

Signal Word Danger.

2. HAZARDS IDENTIFICATION (continued)

Hazard Statements

Causes severe eye irritation.
Suspected of causing genetic defects.
May cause cancer.

Appearance

Green-Blue Viscous Liquid.

Physical State

Liquid.

Odor

Non-Specific.

Precautionary Statements-Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Wash face, hands and any exposed skin thoroughly after handling.
Wear eye/face protection.

Precautionary Statements-Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

IF SWALLOWED: Immediately call a Poison Control Center or doctor/physician. Rinse mouth.

Precautionary Statements - Storage

Store in a closed container in a cool, dry, well-ventilated place away from incompatible materials.

Keep out of reach of children and pets.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin.
Causes mild skin irritation.

Other Hazards

Toxic to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Trichloroethylene	79-01-6	< 8

4. FIRST AID MEASURES

First Aid Measures

General Advice If exposed or concerned: Get medical advice/attention.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Call a physician immediately.

Eye Contact Rinse cautiously with plenty of water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician if irritation presists.

Ingestion Rinse mouth. DO NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a Poison Control Center or physician immediately.

Skin Contact Wash off immediately with soap and water. If skin irritation persists, call a physician.

Most Important Symptoms and Effect, both Acute and Delayed

Symptoms Eyes may have symptoms of redness, itching, irritation and watering from overexposure. May include redness, drying and cracking of skin. May cause irritation to the mucous membranes and upper respiratory tract. May cause nausea, vomiting, stomach ache and diarrhea.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, foam or Carbon dioxide (CO_2).

Unsuitable Extinguishing Media

Not Determined.

Specific Hazards Arising from the Chemical

Emits toxic fumes under fire conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

The wet contaminated surface may be slippery.

For Emergency Responders

Restrict access to spill area. Ventilate the area.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.
See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Sweep, scoop or vacuum the discharged material. Place in appropriate containers for disposal.
Flush residue with soap and water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protection recommended in Section 8.
Wash face, hands, and any exposed skin thoroughly after handling.

Keep out of the reach of children and pets.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Store in a closed container in a cool, dry, well-ventilated place away from incompatible materials.

Keep out of the reach of children and pets.

Incompatible Materials

None known during normal conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trichloroethylene 79-01-6	STEL: 25 ppm TWA: 10 ppm	TWA: 100 ppm (vacated) TWA: 50 ppm (vacated) TWA: 270 mg/m^3 (vacated) STEL: 200 ppm (vacated) STEL: 1080 mg/m^3 Ceiling: 200 ppm	IDLH: 1000 ppm

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

Appropriate Engineering Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Wear approved safety goggles/face protection shield.

Skin and Body Protection

Chemical resistant, impermeable gloves.
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory Protection

Under normal conditions a respirator is not normally required.
A mask or respirator may be used if vapor concentration is high.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid.
Appearance	Green-Blue Viscous Liquid.
Color	Green-Blue.
Odor	Non-Specific.
Odor Threshold	Not Determined.

Property	Values	Remarks * Method
pH	Not Determined.	
Melting Point / Freezing Point	< -13°F / < -25°C	(Approximate)
Boiling Point / Boiling Range	> 392°F / > 200°C	(Approximate)
Flash Point	350°F / 177°C	(Approximate)
Evaporation Rate	< 1	(Butyl acetate = 1)
Flammability (Solid/Gas)	N/A - Liquid.	
Upper Flammability Limit	Not Determined.	
Lower Flammability Limit	Not Determined.	
Vapor Pressure	Not Determined.	
Vapor Density	> 1	(Air = 1)
Specific Gravity	1.03	@ 68°F (20°C)
Water Solubility	Insoluble.	
Solubility in Other Solvents	Not Determined.	
Partition Coefficient	Not Determined.	
Autoignition Temperature	Not Determined.	
Decomposition Temperature	Not Determined.	
Kinematic Viscosity	Not Determined.	
Dynamic Viscosity	Not Determined.	
Explosive Properties	Not Determined.	
Oxidizing Properties	Not Determined.	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Open flames.

Incompatible Materials

None known during normal conditions.

Hazardous Decomposition Products

May emit toxic fumes under fire conditions.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation Avoid breathing vapors or mists.

Eye Contact May cause mild eye irritation.

Skin Contact May be harmful in contact with skin. Causes mild skin irritation.

Ingestion Do not taste or swallow.

Component Information

Chemical Name	Oral LD_{50}	Dermal LD_{50}	Inhalation LC_{50}
Polydimethylsiloxane 63148-62-9	> 17 g/kg (Rat)	> 2 g/kg (Rabbit)	N/A
Trichloroethylene 79-01-6	4290 mg/kg (Rat)	> 20 g/kg (Rabbit)	8450 ppm (Mouse) 4 hr.

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity May cause cancer.

11. TOXICOLOGICAL INFORMATION (continued)

Germ Cell Mutagenicity

Suspected of causing genetic defects.

Chemical Name	ACGIH	IARC	NTP	OSHA
Trichloroethylene 79-01-6	A2	Group 2A	Reasonably Anticipated	X

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 2A - Probably Carcinogenic to Humans
NTP (National Toxicology Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Specific Target Organ Toxicity (STOT)

Prolonged exposure may cause liver damage.

Numerical Measures of Toxicity

Not Determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms.

Chemical Name	Algae/aquatic plants	Crustacea	Toxicity to microorganisms	Fish
Trichloroethylene 79-01-6	EC_{50} Pseudokirchneriella subcapitata: 175 mg/L 96 hr.	EC_{50} Daphnia magna: 18 mg/L 48 hr.	EC_{50} = 975 mg/L 5 min. EC_{50} = 115 mg/L 10 min EC_{50} = 190 mg/L 15 min. EC_{50} = 0.81 mg/L 24 hr.	LC_{50} Pimephales promelas: 41 mg/L 96 hr. LC_{50} Lepomis macrochirus: 39-54 mg/L 96 hr.

Persistence and Degradability

Not Determined.

Bioaccumulation

Not Determined.

Mobility

Not Determined.

Chemical Name	Partition Coefficient
Trichloroethylene 79-01-6	2.29

Other Adverse Effects

Not Determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Dispose according to all local, state and federal regulations.

Contaminated Packaging

Dispose according to all local, state and federal regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Trichloroethylene 79-01-6	U228	Included in waste streams: F001, F002, F024, F025, F039, K018, K019, K020	0.5 mg/L regulatory level	U228

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Trichloroethylene 79-01-6	Category I - Volatiles	N/A	Toxic waste number F025	N/A

Chemical Name	California Hazardous Waste Status
Trichloroethylene 79-01-6	Toxic

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not Regulated.

IATA Not Regulated.

IMDG Not Regulated.

15. REGULATORY INFORMATION

International Inventories

Not Determined.

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*
DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*
EINECS/ELINCS *- European Inventory of Existing Chemical Substances/ European List of Notified Chemical Substances*
ENCS *- Japan Existing and New Chemical Substances*
IECSC *- China Inventory of Existing Chemical Substances*
KECL *- Korean Existing and Evaluated Chemical Substances*
PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

SARA 313

Chemical Name	CAS No.	Weight %	SARA-Threshold Values %
Trichloroethylene	79-01-6	< 8	0.1

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Trichloroethylene 79-01-6	100 lb.	X	X	X

Chemical Name	Hazardous Substances RQs	CERCLA /SARA RQ	Reportable Quantity (RQ)
Trichloroethylene 79-01-6	100 lb.	100 lb.	RQ 100 lb. final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Trichloroethylene 79-01-6	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trichloroethylene 79-01-6	X	X	X

16. OTHER INFORMATION

NFPA

Health Hazards	Flammability	Instability	Special Hazards
1	1	0	Not Determined.

HMIS

Health Hazards	Flammability	Physical Hazards	Personal Protection
Not Determined.	Not Determined.	Not Determined.	Not Determined.

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Revision Note

Disclaimer

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

End of Safety Data Sheet