

Material Safety Data Sheet: SPECTRA XTREME 15W40 CJ-4

Supersedes Date 01/01/0001

Issuing Date 11/06/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SPECTRA XTREME 15W40 CJ-4
Recommended use Lubricant
Information on Manufacturer
 MANTEK, DIVISION OF NCH CORP.
 BOX 152170
 IRVING, TEXAS 75015

Product Code J125
Chemical nature Hydrocarbons Mixture
Emergency Telephone Number
 CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING

May cause skin irritation

May cause eye irritation

Prolonged or repeated inhalation may cause damage to the lungs

Color Dark green

Physical State Liquid

Odor Petroleum-like

Potential Health Effects

Principle Route of Exposure

Primary Routes of Entry

Acute Effects

Eyes

Skin

Inhalation

Ingestion

Chronic Toxicity

Skin contact, Eye contact.

Eye contact, Inhalation.

May cause eye irritation.

May cause skin irritation.

May cause irritation of respiratory tract. (Mist).

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated inhalation may cause damage to the lungs.

Respiratory system, Liver, Kidney, Heart, Central nervous system, Cardiovascular system.

Skin disorders, Respiratory disorders, Liver disorders, Kidney disorders, Neurological disorders.

See Section 12 for additional Ecological information.

Target Organ Effects

Aggravated Medical Conditions

Potential Environmental Effects

3. COMPOSITION INFORMATION ON INGREDIENTS

Component	CAS-No
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1
Polybutene	9003-29-6
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	64741-88-4
Petroleum distillates, solvent-refined light paraffinic (<3% DMSO extractable)	64741-89-5
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	64742-54-7
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	64742-65-0
Zinc alkyldithiophosphate	68649-42-3
N,N-Dimethylcyclohexylamine	98-94-2

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point 440 °F / 227 °C

Autoignition Temperature No information available.

Flammability Limits in Air % Not applicable.

Method

Open cup

Upper No data available

Lower No data available

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery 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.

NFPA	Health 1	Flammability 1	Instability 0
HMIS	Health 1	Flammability 1	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13)
Methods for Cleaning Up	Pick up and transfer to properly labeled containers
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	0 °F / -18 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	X
			Heated	
			Refrigerated	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

Component	ACGIH TLV	OSHA PEL	NIOSH
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	No data available	No data available	No data available
Polybutene	5 mg/m ³ as oil mist	10 mg/m ³ as oil mist	No data available
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	IDLH: 2500 mg/m ³ STEL: 10 mg/m ³ TWA: 5 mg/m ³
Petroleum distillates, solvent-refined light paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STES: 10 mg/m ³	TWA: 5 mg/m ³	IDLH: 2500 mg/m ³ STEL: 10 mg/m ³ TWA: 5 mg/m ³
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	IDLH: 2500 mg/m ³ STEL 10 mg/m ³ TWA: 5 mg/m ³
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	No data available
Zinc alkyldithiophosphate	No data available	No data available	No data available
N,N-Dimethylcyclohexylamine	No data available	No data available	No data available

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Semi-viscous
Color	Dark green	Odor	Petroleum-like
Appearance	Transparent	pH	Not applicable
Specific Gravity	0.874	Evaporation Rate	No data available
Percent Volatile (Volume)	No information available	VOC Content (%)	0

VOC Content (g/L)	0	Vapor Pressure	<0.1mmHg @ 70 F
Vapor Density	No data available	Solubility	Negligible
Boiling Point/Range	No data available		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Strong oxidizing agents
Hazardous Decomposition Products	Carbon oxides
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h	no data available	no data available
Polybutene	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h	no data available	no data available
Petroleum distillates, solvent-refined light paraffinic (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h	no data available	no data available
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 4.7 mg/L (Rat) 4 h	no data available	no data available
Zinc alkyldithiophosphate	no data available	no data available	no data available	no data available	no data available
N,N-Dimethylcyclohexylamine	= 272 mg/kg (Rat)	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	no data available	no data available	no data available	no data available	no data available
Polybutene	no data available	no data available	no data available	no data available	Heart, liver, kidney, lung
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, solvent-refined light paraffinic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	respiratory system
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	no data available	no data available	no data available	no data available	lungs
Zinc alkyldithiophosphate	no data available	no data available	no data available	no data available	no data available
N,N-Dimethylcyclohexylamine	no data available	no data available	no data available	no data available	skin, eyes, CNS, liver, kidney, respiratory system, CVS

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	not applicable	not applicable	not applicable	not applicable	not applicable
Polybutene	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, solvent-	not applicable	not applicable	not applicable	not applicable	not applicable

refined light paraffinic (<3% DMSO extractable)					
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	not applicable	not applicable	not applicable	not applicable	not applicable
Zinc alkyldithiophosphate	not applicable	not applicable	not applicable	not applicable	not applicable
N,N-Dimethylcyclohexylamine	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50> 1000 mg/L 48 h	N/A
Polybutene	no data available	no data available	no data available	no data available	N/A
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50> 1000 mg/L 48 h	N/A
Petroleum distillates, solvent-refined light paraffinic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50> 1000 mg/L 48 h	N/A
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50> 1000 mg/L 48 h	N/A
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	no data available	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	no data available	EC50> 1000 mg/L 48 h	N/A
Zinc alkyldithiophosphate	no data available	LC50 1.0 - 5.0 mg/L Pimephales promelas 96 h LC50 10.0 - 35.0 mg/L Pimephales promelas 96 h	no data available	EC50 1 - 1.5 mg/L 48 h	N/A
N,N-Dimethylcyclohexylamine	EC50 = 0.309 mg/L Desmodesmus subspicatus 72 h EC50 = 0.0885 mg/L Desmodesmus subspicatus 96 h	LC50 22 - 46 mg/L Leuciscus idus 96 h	EC50 = 206 mg/L 17 h	EC50= 75 mg/L 48 h	2.01

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA

Complies

DSL

Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Zinc alkyldithiophosphate	68649-42-3	1-5	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	Not applicable	Not applicable
Polybutene	Not applicable	Not applicable
Petroleum distillates, solvent-refined heavy paraffinic (<3% DMSO extractable)	Not applicable	Not applicable
Petroleum distillates, solvent-refined light paraffinic (<3% DMSO extractable)	Not applicable	Not applicable
Petroleum distillates, hydrotreated heavy paraffinic (<3% DMSO extractable)	Not applicable	Not applicable
Petroleum distillates, solvent dewaxed heavy paraffinic (<3% DMSO extractable)	Not applicable	Not applicable
Zinc alkyldithiophosphate	Not applicable	Not applicable
N,N-Dimethylcyclohexylamine	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials



16. OTHER INFORMATION

Prepared By: Angela Hutson
 Supersedes Date: 01/01/0001
 Issuing Date: 11/06/2012
 Reason for Revision: No information available.
 Glossary: No information available.
 List of References: No information available.

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