



SAFETY DATA SHEET

Issuing date 11-Nov-2015

Revision Date 26-Apr-2023

Version 1.06

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name 80-923 Torq CB Superior Lubrication Penetrating Oil

Other means of identification

Product code 80-923

Product Type Non-flammable aerosol

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Penetrating Oil.

Uses advised against No information available

Manufactured For:

Kimball Midwest
4800 Roberts Rd.
Columbus, OH 43228
800-233-1294

Emergency telephone number

Chemical Emergency Phone Number CHEMTREC : 1-800-424-9300

Company Emergency Phone Number 1-800-233-1294

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1B
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration hazard	Category 1
Gases under pressure	Compressed gas

Label elements

Emergency Overview

Danger

Hazard statements
 Causes skin irritation
 Causes serious eye irritation
 May cause an allergic skin reaction
 Suspected of causing cancer
 May cause respiratory irritation. May cause drowsiness or dizziness
 May be fatal if swallowed and enters airways
 Contains gas under pressure; may explode if heated



Appearance Clear

Physical state Aerosol

Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves, protective clothing, eye protection, face protection.
 Wash face, hands and any exposed skin thoroughly after handling
 Contaminated work clothing must not be allowed out of the workplace
 Avoid breathing fumes, gas, mist, vapors, spray.
 Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

IF exposed or concerned: Call a POISON CENTER or doctor
 Specific treatment (see first aid on this label).
 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 ON SKIN: Wash with plenty of soap and water
 Take off contaminated clothing and wash it before reuse.
 If skin irritation or rash occurs: Get medical advice, attention.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Call a POISON CENTER or doctor, physician if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician.
Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed
Protect from sunlight

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

Not applicable

Other information

No information available.

0 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
TETRACHLOROETHYLENE	127-18-4	40-50
PETROLEUM DISTILLATES	64742-47-8	40-50
CARBON DIOXIDE	124-38-9	1-10

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

- General advice** Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.
- Eye contact** Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If eye irritation persists, consult a doctor.
- Skin contact** Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
- Inhalation** Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
- Ingestion** Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.
- Protection of First-aiders** Remove all sources of ignition.

Most important symptoms and effects, both acute and delayed

Main Symptoms Causes skin and serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog. Dry chemical. Foam. Carbon dioxide (CO₂). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire. Cool containers / tanks with water spray. Keep away from sources of ignition - No smoking.

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. Risk of ignition.

Hazardous Combustion Products Acrid smoke/fumes. Carbon oxides , Hydrocarbons, Fumes. Sulfur oxides.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes. No.

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. Use shielding to protect fire-fighters from bursting containers. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use with adequate ventilation to keep the exposure levels below the OELS. Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions

Environmental precautions Vapors can accumulate in low areas. Report spills as required by local and federal regulations. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods and material for containment and cleaning up

Methods for Containment Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods for cleaning up Soak up with inert absorbent material. Contain liquid and collect with an inert, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly . After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible products Strong acids, alkalis, oxidizing agents.

Aerosol Level 2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
TETRACHLOROETHYLENE 127-18-4	STEL: 100 ppm TWA: 25 ppm	TWA: 100 ppm (vacated) TWA: 25 ppm (vacated) TWA: 170 mg/m ³ Ceiling: 200 ppm	IDLH: 150 ppm
CARBON DIOXIDE 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m ³ (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m ³ (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m ³	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³
ACETONE 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Measures Ventilation systems. Use adequate ventilation to keep the exposure levels below the occupational exposure limits. Showers. Eyewash stations. Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields. Tightly fitting safety goggles.

Skin and body protection Chemical resistant apron. Protective gloves.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Aerosol	Odor	Solvent
Appearance	Clear	Odor Threshold	
Color	Clear		
 <u>Property</u>		<u>Values</u>	
pH		No information available	
Melting/freezing point		No information available	
Boiling point/boiling range		No information available	
Flash Point		41 °C / 105 °F	
Evaporation rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limits in Air			
upper flammability limit			
lower flammability limit		No information available	
Vapor pressure			
Vapor density		No information available	
Specific gravity		1.051	
Water solubility		Negligible	
Partition coefficient: n-octanol/water			
Autoignition temperature		No information available	
Hyphen		Not applicable	
Viscosity		No information available	
Explosive properties			
 <u>Other information</u>			
VOC Content(%)		42.45	
MIR Coating Category		NOTE :PRODUCT IS NOT FOR RETAIL SALE AS VOC % IS TOO HIGH NOT FOR SALE IN CALIFORNIA	

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Strong acids, alkalis, oxidizing agents.

Hazardous decomposition products

Carbon oxides , Hydrocarbons, Fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause respiratory irritation, May cause drowsiness or dizziness.
Eye contact	Causes serious eye irritation.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Ingestion	May be fatal if swallowed and enters airways.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
TETRACHLOROETHYLENE 127-18-4	= 2629 mg/kg (Rat)	-	= 27.8 mg/L (Rat) 4 h
PETROLEUM DISTILLATES 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Causes skin and serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Irritating to skin. May cause an allergic skin reaction with skin if in direct contact.
Eye damage/irritation	Irritating to eyes.
Sensitization	Known skin sensitizer.
Germ cell mutagenicity	Not a germ cell mutagen.
Carcinogenicity	The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
TETRACHLOROETHYLENE 127-18-4	A3	Group 2A	Reasonably Anticipated	X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - *Animal Carcinogen*

A2 - *Suspected Human Carcinogen*

IARC: (International Agency for Research on Cancer)

Group 2A - *Probably Carcinogenic to Humans*

Group 2B - *Possibly Carcinogenic to Humans*

Group 1 - *Carcinogenic to Humans*

Group 3 - *Not Classifiable as to Carcinogenicity in Humans*

NTP: (National Toxicity Program)

Reasonably Anticipated - *Reasonably Anticipated to be a Human Carcinogen*

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive toxicity	This product does not contain any known or suspected reproductive hazards.
Specific target organ systemic toxicity (single exposure)	May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ systemic toxicity (repeated exposure)	None known.
Chronic toxicity	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.
Target organ effects	Skin, Eyes, Respiratory System, and Central Nervous System.
Neurological effects	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
Aspiration hazard	May be fatal if swallowed and enters airways. No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity	0 % of the mixture consists of ingredient(s) of unknown toxicity
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The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	12247 mg/kg
ATEmix (dermal)	28664 mg/kg
ATEmix (inhalation-dust/mist)	39.1 mg/l
ATEmix (inhalation-vapor)	346.7 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
TETRACHLOROETHYLENE 127-18-4	EC50: >500mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 12.4 - 14.4mg/L (96h, Pimephales promelas) LC50: 8.6 - 13.5mg/L (96h, Pimephales promelas) LC50: 11.0 - 15.0mg/L (96h, Lepomis macrochirus) LC50: 4.73 - 5.27mg/L (96h, Oncorhynchus mykiss)	-	EC50: 6.1 - 9.0mg/L (48h, Daphnia magna)
PETROLEUM DISTILLATES 64742-47-8	-	LC50: =45mg/L (96h, Pimephales promelas) LC50: =2.2mg/L (96h, Lepomis macrochirus) LC50: =2.4mg/L (96h, Oncorhynchus mykiss)	-	-
CARBON DIOXIDE 124-38-9	-	0.46 mg/L LC50 Oncorhynchus mykiss	-	-

Persistence and degradability

Bioaccumulation

Chemical name	Partition coefficient
TETRACHLOROETHYLENE 127-18-4	2.53

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods

Dispose of in accordance with federal, state, and local regulations. This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations. Dispose of in accordance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Pressurized container: Do not pierce or burn, even after use. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground LIMITED QUANTITY

IATA UN1950, AEROSOLS, NON-FLAMMABLE, CONTAINING SUBSTANCES IN DIVISION 6.1, PACKING GROUP III, 2.2 (6.1))

IMDG UN1950, AEROSOLS, NON-FLAMMABLE, CONTAINING SUBSTANCES IN DIVISION 6.1, PACKING GROUP III, 2.2 (6.1), LTD. QTY

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
TETRACHLOROETHYLENE	X	X	X	X	X	X	X	X
PETROLEUM DISTILLATES	X	X	X	x	X	X	X	X
CARBON DIOXIDE	X	X	X	X	X	X	X	X

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 Commercial Chemical Substances/EU List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- CHINA** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
TETRACHLOROETHYLENE - 127-18-4	127-18-4	40-50	0.1

SARA 311/312 Hazard Categories

- Acute health hazard** Yes
- Chronic Health Hazard** Yes
- Fire hazard** Yes
- Sudden release of pressure hazard** Yes
- Reactive Hazard** No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
TETRACHLOROETHYLENE 127-18-4		X	X	

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
TETRACHLOROETHYLENE 127-18-4	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:



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical name	California Proposition 65
TETRACHLOROETHYLENE - 127-18-4	Cancer/40-50%

Note

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
TETRACHLOROETHYLENE 127-18-4	X	X	X
CARBON DIOXIDE 124-38-9	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

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

16. OTHER INFORMATION

NFPA	Health hazards 2	Flammability 2	Instability 0	Special hazards -
HMIS	Health hazards 2*	Flammability 2	Physical hazards 1	Personal protection B
Chronic Hazard Star Legend	* = Chronic Health Hazard			

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 Revision Note
 (M)SDS sections updated 14 15 1

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The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that the supplier believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of the supplier's control, the supplier makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents. **End of Safety Data Sheet**