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Version 1.04

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier****Product name** 80-923 TORQ + Intensive Action PENETRATING OIL**Recommended use of the chemical  
and restrictions on use****Product code** F00494**Product Type** Chlorinated, non-flammable aerosol  
**Synonyms** None**Supplier's details****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** Chemtrec 1-800-424-9300  
**Number**  
**Company Emergency Phone** 1-800-233-1294  
**Number**

## 2. HAZARDS IDENTIFICATION

### Classification

Acute Toxicity - Oral	Category 4
Acute Toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
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 toxicity	Category 1
Gases under pressure	Compressed Gas

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### **DANGER**

#### **Hazard Statements**

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



**Appearance** Clear

**Physical state** Aerosol

**Odor** Vanilla

#### **Precautionary Statements - Prevention**

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

#### **Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention.  
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.  
If skin irritation or rash occurs: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse.  
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  
Rinse mouth  
Do NOT induce vomiting.

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None

**Other information**

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**

**First aid measures for different exposure routes**

<b>General advice</b>	Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist or gas.
<b>Eye contact</b>	Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately.
<b>Ingestion</b>	Call a physician immediately. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

**Most important symptoms/effects, acute and delayed**

<b>Main Symptoms</b>	Harmful in contact with skin and inhaled. Causes serious eye irritation. Harmful if swallowed and enters airways. May damage fertility or the unborn child. ingestion causing lung damage.
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**Indication of immediate medical attention and special treatment needed, if necessary**

<b>Notes to physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water fog. Dry chemical. 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.

**Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition.

**Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** Yes.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Use with adequate ventilation to keep the exposure levels below the OELS.
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**Environmental precautions**

<b>Environmental precautions</b>	Report spills as required by local and federal regulations.
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**Methods and materials for containment and cleaning up**

<b>Methods for Containment</b>	Cover liquid and collect with an inert non-combustible material. Soak up with inert absorbant material. Prevent further leakage or spillage if safe to do so.
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<b>Methods for cleaning up</b>	Contain liquid and collect with an inter, non-combustible material.
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## 7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Advice on safe handling</b>	Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Use with adequate ventilation. to keep the exposure levels below the Occupational Exposure Limits.
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**Conditions for safe storage, including any incompatibilities**

<b>Technical measures/Storage conditions</b>	Keep containers tightly closed in a dry and well-ventilated place.
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<b>Incompatible products</b>	Strong acids, alkalis, oxidizing agents.
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<b>Aerosol Level</b>	2
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
TETRACHLOROETHYLENE 127-18-4	STEL: 100 ppm TWA: 25 ppm	TWA: 100 ppm (vacated) TWA: 25 ppm (vacated) TWA: 170 mg/m <sup>3</sup> Ceiling: 200 ppm	IDLH: 150 ppm
CARBON DIOXIDE 124-38-9	STEL: 30000 ppm TWA: 5000 ppm	TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> (vacated) TWA: 10000 ppm (vacated) TWA: 18000 mg/m <sup>3</sup> (vacated) STEL: 30000 ppm (vacated) STEL: 54000 mg/m <sup>3</sup>	IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m <sup>3</sup> STEL: 30000 ppm STEL: 54000 mg/m <sup>3</sup>

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).

### Exposure controls

#### **Engineering Measures**

Ventilation systems. Use adequate ventilation to keep the exposure levels below the occupational exposure limits.

#### Individual protection measures, such as personal protective equipment

##### **Eye/Face Protection**

Safety glasses with side-shields.

##### **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

### Physical and chemical properties

Physical state	Aerosol	Odor	Vanilla
Appearance	Clear	Odor Threshold	
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	No information available	
Melting/freezing point	No information available	
Boiling point/boiling range		
Flash Point	40.6 °C / 105.1 °F	(based on components)
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
upper flammability limit		
lower flammability limit		
Vapor pressure		

Vapor density  
Specific Gravity 1.051  
Water solubility Practically insoluble  
Partition coefficient: n-octanol/water  
Autoignition temperature No information available  
Decomposition temperature  
Viscosity No information available  
Explosive properties

**Other information**

VOC Content(%) 42.45

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**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** Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.  
**Eye contact** Causes serious eye irritation.  
**Skin contact** Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.  
**Ingestion** Harmful and may be fatal if swallowed .

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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

**Information on toxicological effects**

**Symptoms** Causes eye and skin irritation. May cause respiratory irritation. Harmful and may be fatal if swallowed and enters airways.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

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

<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
TETRACHLOROETHYLENE 127-18-4	A3	Group 2A	Reasonably Anticipated	-

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

<b>Reproductive toxicity</b>	The ingredients are not reproductive hazards.
<b>Specific target organ systemic toxicity (single exposure)</b>	May cause drowsiness and dizziness.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No known effect based on information supplied.
<b>Chronic toxicity</b>	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.
<b>Target Organ Effects</b>	Eyes, Skin, Respiratory System, and Central Nervous System.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

#### **Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

**The following values are calculated based on chapter 3.1 of the GHS document .**

**ATEmix (oral)** 10656 mg/kg

**ATEmix (dermal)** 4262 mg/kg

**ATEmix (inhalation-dust/mist)** 1122.1 mg/l

**ATEmix (inhalation-vapor)** 396184 mg/l

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

<b>Chemical Name</b>	<b>Toxicity to algae</b>	<b>Toxicity to fish</b>	<b>Toxicity to microorganisms</b>	<b>Toxicity to daphnia and other aquatic invertebrates</b>
TETRACHLOROETHYLENE 127-18-4	500 mg/L EC50 Pseudokirchneriella subcapitata 96h	12.4 - 14.4 mg/L LC50 Pimephales promelas 96h flow-through 8.6 - 13.5 mg/L LC50 Pimephales promelas 96h static 11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 4.73 - 5.27 mg/L LC50 Oncorhynchus mykiss 96h flow-through	-	6.1 - 9.0 mg/L EC50 Daphnia magna 48h Static
PETROLEUM DISTILLATES 64742-47-8	-	45 mg/L LC50 Pimephales promelas 96h flow-through 2.2 mg/L LC50 Lepomis macrochirus 96h static 2.4 mg/L LC50 Oncorhynchus mykiss 96h static	-	-

**Persistence and degradability**

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**Bioaccumulation**

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Chemical Name	log Pow
TETRACHLOROETHYLENE 127-18-4	2.53 - 2.88

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT Ground** CONSUMER COMMODITY ORM-D  
or  
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 does contain 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	48.1333	0.1

### **SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	no
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	no

### **Clean Water Act**

This product does contain 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, does contain 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	RQ
TETRACHLOROETHYLENE 127-18-4	100 lb 1 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ

## U.S. State Regulations

### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
TETRACHLOROETHYLENE - 127-18-4	Carcinogen 40-50%

### **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

<u>NFPA</u>	Health Hazard 2	Flammability 2	Instability 0	Physical and chemical hazards -
<u>HMIS</u>	Health Hazard 2*	Flammability 2	Physical Hazard 1	Personal protection B
Prepared By	Regulatory Affairs			
Issuing date	06-Jan-2015			
Revision Date	20-Nov-2017			
Revision Note				

### Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**