

Issuing date 27-Apr-2018

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Version 2.03

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

**Product identifier**

**Product name** TORQ CB III

**Recommended use of the chemical and restrictions on use**

**Product code** 80-1301

**Product Type** 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 Number** CHEMTREC: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Aspiration toxicity	Category 1
Flammable Aerosols	Category 2
Gases under pressure	Compressed Gas

### GHS Label elements, including precautionary statements

#### Emergency Overview

<b>DANGER</b>		
<b>Hazard Statements</b> Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways. Flammable aerosol Contains gas under pressure; may explode if heated		
		
<b>Appearance</b> Clear	<b>Physical state</b> Aerosol	<b>Odor</b> Solvent

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
 Wear protective gloves, eye protection, face protection.  
 Keep away from heat, sparks, open flames, hot surfaces - No smoking.  
 Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.

#### Precautionary Statements - Response

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.  
 If skin irritation occurs: Get medical advice, attention.  
 Take off contaminated clothing and wash it before reuse.  
 IF SWALLOWED: Immediately call a POISON CENTER, doctor, physician.  
 Do NOT induce vomiting.

#### Precautionary Statements - Storage

Store locked up.  
 Protect from sunlight. Store in a well-ventilated place  
 Do not expose to temperatures exceeding 122°F (50°C)

#### 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 %*
HYDROCARBON SOLVENT	64742-96-7	20-30
NAPHTHENIC OIL, SEVERELY HYDROTREATED	64742-52-5	20-30
TRANS-1,2-DICHLOROETHYLENE	156-60-5	20-30
ACETONE	67-64-1	10-20
CARBON DIOXIDE	124-38-9	1-10
DODECYLBENZENE SULFONIC ACID	27176-87-0	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 eyes, skin, 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. Seek immediate medical attention, advice. If eye irritation persists, consult a doctor.
<b>Skin contact</b>	Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.
<b>Ingestion</b>	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.
<b>Protection of First-aiders</b>	Remove all sources of ignition.

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

**Main Symptoms** Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.

**Indication of immediate medical attention and special treatment needed, if necessary**

**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. Keep away from sources of ignition - No smoking.

**Specific hazards arising from the chemical**

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

**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. 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 flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Should not be released into the environment.

**Methods and materials 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 IDLH

TRANS-1,2-DICHLOROETHYLENE 156-60-5	TWA: 200 ppm	-	-
ACETONE 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> 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 <sup>3</sup>
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>
DIETHYL PHTHALATE 84-66-2	TWA: 5 mg/m <sup>3</sup>	(vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 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. Showers. Eyewash stations.

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

##### Eye/Face Protection

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

### Physical and chemical properties

<b>Physical state</b>	Aerosol	<b>Odor</b>	Solvent
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	
<b>Color</b>	Amber		
<b>Property</b>	<b>Values</b>	<b>Remarks • Methods</b>	
<b>pH</b>	No information available		
<b>Melting/freezing point</b>	No information available		
<b>Boiling point/boiling range</b>			
<b>Flash Point</b>	-20 °C / -4 °F	Based on lowest flashpoint of the products constituents. Additionally, propellant has no flashpoint.	
<b>Evaporation rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limits in Air upper flammability limit</b>			

<b>lower flammability limit</b>		
<b>Vapor pressure</b>		
<b>Vapor density</b>		
<b>Specific Gravity</b>	0.921	
<b>Water solubility</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>		
<b>Autoignition temperature</b>	No information available	Not applicable
<b>Decomposition temperature</b>		
<b>Viscosity</b>	No information available	
<b>Explosive properties</b>		

**Other information**

<b>VOC Content(%)</b>	22.66
<b>MIR Value</b>	0.45

## 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**

Heat, flames and sparks. Exposure to air or moisture over prolonged periods.

**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**

<b>Inhalation</b>	Respiratory irritation may occur if excessive exposure to product by inhalation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	Causes skin irritation.
<b>Ingestion</b>	May be fatal if swallowed and enters airways.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
HYDROCARBON SOLVENT 64742-96-7	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
NAPHTHENIC OIL, SEVERELY HYDROTREATED 64742-52-5	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
TRANS-1,2-DICHLOROETHYLENE 156-60-5	= 1235 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	= 24100 ppm ( Rat ) 4 h
ACETONE 67-64-1	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h

DODECYLBENZENE SULFONIC ACID 27176-87-0	= 1260 mg/kg ( Rat )	631 - 1000 mg/kg ( Rabbit )	-
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**Information on toxicological effects**

**Symptoms** Causes skin and serious eye irritation. May be fatal if swallowed and enters airways.

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

**Skin corrosion/irritation** Irritating to skin.  
**Eye damage/irritation** Irritating to eyes.  
**Sensitization** Not a known sensitizer.  
**Germ cell mutagenicity** Not a germ cell mutagen.  
**Carcinogenicity** There are no known carcinogenic chemicals in this product.

ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known 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)** None known.

**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****Neurological effects**

None known.

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Aspiration hazard** 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)** 6680 mg/kg  
**ATEmix (dermal)** 77734 mg/kg  
**ATEmix (inhalation-gas)** 198334 mg/l  
**ATEmix (inhalation-dust/mist)** 35.4 mg/l  
**ATEmix (inhalation-vapor)** 614 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
NAPHTHENIC OIL, SEVERELY HYDROTREATED 64742-52-5	-	5000 mg/L LC50 Oncorhynchus mykiss 96h	-	1000 mg/L EC50 Daphnia magna 48h
TRANS-1,2-DICHLOROETHYLENE 156-60-5	-	135 mg/L LC50 Lepomis macrochirus 96h static	-	-
ACETONE 67-64-1	-	4.74 - 6.33 mL/L LC50 Oncorhynchus mykiss 96h	-	10294 - 17704 mg/L EC50 Daphnia magna 48h Static

		6210 - 8120 mg/L LC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h		12600 - 12700 mg/L EC50 Daphnia magna 48h
CARBON DIOXIDE 124-38-9	-	0.46 mg/L LC50 Oncorhynchus mykiss	-	-
DODECYLBENZENE SULFONIC ACID 27176-87-0	29 mg/L EC50 Pseudokirchneriella subcapitata 96h	3.5 - 10 mg/L LC50 Brachydanio rerio 96h static 10.8 mg/L LC50 Oncorhynchus mykiss 96h static	-	5.88 mg/L EC50 Daphnia magna 48h

**Persistence and degradability**

.

**Bioaccumulation**

Chemical Name	log Pow
TRANS-1,2-DICHLOROETHYLENE 156-60-5	1.48
ACETONE 67-64-1	-0.24

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment****Waste Disposal Methods**

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**

Do not re-use empty containers.

**14. TRANSPORT INFORMATION****DOT Ground**

LIMITED QUANTITY

**IATA**

UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD .QTY.

**IMDG**

UN1950, AEROSOLS, 2.1, LTD.QTY

**15. REGULATORY INFORMATION****International Inventories**

Chemical Name	TSCA	DSL/NDL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
HYDROCARBON SOLVENT	X	X	X	Not listed	X	X	X	X
NAPHTHENIC OIL, SEVERELY	X	X	X	Not listed	X	X	X	X

HYDROTREATED								
TRANS-1,2-DICHLOROETHYLENE	X	X	X	X	X	X	X	X
ACETONE	X	X	X	X	X	X	X	X
CARBON DIOXIDE	X	X	X	X	X	X	X	X
DODECYLBENZENE SULFONIC ACID	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 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.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	Yes
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
TRANS-1,2-DICHLOROETHYLENE 156-60-5			X	
DODECYLBENZENE SULFONIC ACID 27176-87-0	1000 lb			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
TRANS-1,2-DICHLOROETHYLENE 156-60-5	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
ACETONE 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
DODECYLBENZENE SULFONIC ACID 27176-87-0	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
TRANS-1,2-DICHLOROETHYLENE 156-60-5		X	X
ACETONE 67-64-1	X	X	X
CARBON DIOXIDE 124-38-9	X	X	X
DODECYLBENZENE SULFONIC ACID 27176-87-0	X	X	X
DIETHYL PHTHALATE 84-66-2	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**

<b>NFPA</b>	Health Hazard 2	Flammability 4	Instability 0	Physical and chemical hazards -
<b>HMIS</b>	Health Hazard 2*	Flammability 4	Physical Hazard 1	Personal protection B
<i>Chronic Hazard Star Legend</i>		<i>Chronic Health Star Hazard Repeated or prolonged exposure may cause central nervous system damage</i>		

Prepared By Regulatory Affairs  
 Issuing date 27-Apr-2018  
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Revision Note  
 (M)SDS sections updated 2

**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