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Version 1.05

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier****Product name**

80-1301 TORQ "CB" III Advanced Formula "Corrosion Blasting " PENETRATING OIL

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

F01975

**Product Type**

Flammable aerosol

**Synonyms**

None

**Supplier's details****Recommended Use**

Penetrating lubricant.

**Uses advised against**

No information available

**Manufactured For:**Kimball Midwest  
4800 Roberts Rd.  
Columbus, OH 43228**Emergency telephone number****Chemical Emergency Phone  
Number**

Chemtrec 1-800-424-9300

**Company Emergency Phone  
Number**

800-233-1294

## 2. HAZARDS IDENTIFICATION

### Classification

|                                                  |                |
|--------------------------------------------------|----------------|
| Acute toxicity - Inhalation (Vapors)             | Category 4     |
| Skin corrosion/irritation                        | Category 2     |
| Serious eye damage/eye irritation                | Category 2A    |
| Specific target organ toxicity (single exposure) | Category 3     |
| Aspiration toxicity                              | Category 1     |
| Flammable aerosols                               | Category 2     |
| Gases under pressure                             | Compressed Gas |

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### **DANGER**

#### **Hazard Statements**

Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May cause drowsiness or dizziness  
May be fatal if swallowed and enters airways  
Flammable aerosol  
Contains gas under pressure; may explode if heated



**Appearance** Clear

**Physical state** Aerosol

**Odor** Fragrance

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

Wash hands and face thoroughly after handling  
Wear protective gloves/eye protection/face protection.  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
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**

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 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 or doctor/physician  
Do NOT induce vomiting

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**Precautionary Statements - Storage**

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

• Toxic to aquatic life with long lasting effects

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical Name                   | CAS-No     | Weight %* |
|---------------------------------|------------|-----------|
| HYDROCARBON SOLVENT             | 64742-96-7 | 20-30     |
| NAPHTHENIC OIL, SEVERELY HYDROT | 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, and clothing. Avoid breathing, vapors, mist, or gas.                                                                                                |
| <b>Eye contact</b>    | In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice.                                                             |
| <b>Skin contact</b>   | Wash off immediately with plenty of water. 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>      | Do NOT induce vomiting. Call a physician immediately. 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**

**Main Symptoms** May cause skin irritation. Drowsiness. Dizziness. Difficulty breathing.

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

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|                    |                        |
|--------------------|------------------------|
| Notes to physician | Treat symptomatically. |
|--------------------|------------------------|

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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

water fog. Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>). 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

Flammable or extremely flammable aerosol. Container may burst in fire.

### 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

**Personal precautions** Ensure adequate ventilation.

### Environmental precautions

**Environmental precautions** Report spills as required by local and federal regulations.

### Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Contain liquid and collect with an inter,non-combustible material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible products** Store away from strong oxidizers and acids.

**Aerosol Level** 2

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** .

| Chemical Name                          | ACGIH TLV                        | OSHA PEL                                                                                                                                                                                                                                                                                                | NIOSH IDLH                                                                                                          |
|----------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| TRANS-1,2-DICHLOROETHYLENE<br>156-60-5 | TWA: 200 ppm                     | -                                                                                                                                                                                                                                                                                                       | -                                                                                                                   |
| ACETONE<br>67-64-1                     | STEL: 750 ppm<br>TWA: 500 ppm    | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup><br>(vacated) TWA: 750 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>(vacated) STEL: 2400 mg/m <sup>3</sup><br>The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors<br>(vacated) STEL: 1000 ppm | IDLH: 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup>                                                        |
| CARBON DIOXIDE<br>124-38-9             | STEL: 30000 ppm<br>TWA: 5000 ppm | TWA: 5000 ppm<br>TWA: 9000 mg/m <sup>3</sup><br>(vacated) TWA: 10000 ppm<br>(vacated) TWA: 18000 mg/m <sup>3</sup><br>(vacated) STEL: 30000 ppm<br>(vacated) STEL: 54000 mg/m <sup>3</sup>                                                                                                              | IDLH: 40000 ppm<br>TWA: 5000 ppm<br>TWA: 9000 mg/m <sup>3</sup><br>STEL: 30000 ppm<br>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 OELs.

#### 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

##### Appearance

Clear

##### Color

amber

##### Odor

Fragrance

##### Odor Threshold

No information available

#### Property

#### Values

#### Remarks • Methods

##### pH

No information available

##### Melting/freezing point

No information available

##### Boiling point/boiling range

No information available

##### Flash Point

-20 °C / -4 °F

Based on lowest flashpoint of the products constituent.

##### Evaporation rate

No information available

##### Flammability (solid, gas)

No information available

##### Flammability Limits in Air

##### upper flammability limit

No information available

|                                        |                          |
|----------------------------------------|--------------------------|
| lower flammability limit               | No information available |
| Vapor pressure                         | No information available |
| Vapor density                          | No information available |
| Specific Gravity                       | 0.900                    |
| Water solubility                       | Practically insoluble    |
| Partition coefficient: n-octanol/water | No information available |
| Autoignition temperature               | No information available |
| Decomposition temperature              | No information available |
| Viscosity                              | No information available |
| Explosive properties                   | No information available |

**Other information**

VOC Content(%) 22.66

## 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**

Store away from strong oxidizers and acids.

**Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

|                            |                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known information                                      |
| <b>Inhalation</b>          | Exposure to high vapour concentrations may cause nervous systems effects such as headache, nausea, and dizziness. |
| <b>Eye contact</b>         | Irritating to eyes.                                                                                               |
| <b>Skin contact</b>        | Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis.                             |
| <b>Ingestion</b>           | Not acutely toxic. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal.  |

**Component Information**

| Chemical Name                          | LD50 Oral            | LD50 Dermal             | LC50 Inhalation                       |
|----------------------------------------|----------------------|-------------------------|---------------------------------------|
| HYDROCARBON SOLVENT<br>64742-96-7      | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 5.28 mg/L ( Rat ) 4 h               |
| TRANS-1,2-DICHLOROETHYLENE<br>156-60-5 | = 1235 mg/kg ( Rat ) | = 5000 mg/kg ( Rabbit ) | -                                     |
| ACETONE<br>67-64-1                     | -                    | 20,000 mg/kg (Rabbit)   | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |

|                                            |                      |   |   |
|--------------------------------------------|----------------------|---|---|
| DODECYLBENZENE SULFONIC ACID<br>27176-87-0 | = 1260 mg/kg ( Rat ) | - | - |
|--------------------------------------------|----------------------|---|---|

#### Information on toxicological effects

**Symptoms** Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting. May cause mild irritation. Irritating to skin. Prolonged or repeated exposure may cause dermatitis. Not acutely toxic. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal.

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

|                                                                    |                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>                                   | Irritating to skin.                                                                                                                                                                                                                                                        |
| <b>Eye damage/irritation</b>                                       | Irritating to eyes.                                                                                                                                                                                                                                                        |
| <b>Sensitization</b>                                               | No information available.                                                                                                                                                                                                                                                  |
| <b>Germ Cell Mutagenicity</b>                                      | No information available.                                                                                                                                                                                                                                                  |
| <b>Carcinogenicity</b>                                             | There are no known carcinogenic chemicals in this product.                                                                                                                                                                                                                 |
| <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 information available.                                                                                                                                                                                                                                                  |
| <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. Prolonged skin contact may defat the skin and produce dermatitis. |
| <b>Target Organ Effects</b>                                        | Central nervous system, Central Vascular System (CVS), Eyes, Respiratory system, Skin.                                                                                                                                                                                     |
| <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)** 2299 mg/kg  
**ATEmix (dermal)** 11497 mg/kg  
**ATEmix (inhalation-dust/mist)** 6.9 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 HYDROT<br>64742-52-5 | -                                                   | 5000 mg/L LC50<br>Oncorhynchus mykiss 96h                                                                                                                | -                          | 1000 mg/L EC50 Daphnia magna 48h                                                                    |
| TRANS-1,2-DICHLOROETHYLENE<br>156-60-5        | -                                                   | 135 mg/L LC50 Lepomis macrochirus 96h static                                                                                                             | -                          | -                                                                                                   |
| ACETONE<br>67-64-1                            | -                                                   | 4.74 - 6.33 mL/L LC50<br>Oncorhynchus mykiss 96h<br>6210 - 8120 mg/L LC50<br>Pimephales promelas 96h static<br>8300 mg/L LC50<br>Lepomis macrochirus 96h | -                          | 10294 - 17704 mg/L EC50<br>Daphnia magna 48h Static<br>12600 - 12700 mg/L EC50<br>Daphnia magna 48h |
| DODECYLBENZENE SULFONIC ACID<br>27176-87-0    | 29 mg/L EC50<br>Pseudokirchneriella subcapitata 96h | 3.5 - 10 mg/L LC50<br>Brachydanio rerio 96h static<br>10.8 mg/L LC50<br>Oncorhynchus mykiss 96h static                                                   | -                          | 5.88 mg/L EC50 Daphnia magna 48h                                                                    |

#### Persistence and degradability

No information available.

**Bioaccumulation**

No information available.

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

**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, FLAMMABLE, 2.1, LTD. QTY.

**IMDG**

UN1950, AEROSOLS, 2.1, LTD. QTY.

**15. REGULATORY INFORMATION**

**International Inventories**

| Chemical Name                      | TSCA | DSL/NDSL | EINECS/ELI<br>NCS | ENCS       | IECSC | KECL | PICCS | AICS |
|------------------------------------|------|----------|-------------------|------------|-------|------|-------|------|
| HYDROCARBON<br>SOLVENT             | X    | X        | X                 | Not listed | X     | X    | X     | X    |
| NAPHTHENIC OIL,<br>SEVERELY HYDROT | X    | X        | X                 | X          | X     | X    | X     | X    |
| TRANS-1,2-DICHLOR<br>OETHYLENE     | 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<br>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 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:

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

|                                          |     |
|------------------------------------------|-----|
| <b>Acute Health Hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | Yes |
| <b>Fire Hazard</b>                       | Yes |
| <b>Sudden Release of Pressure Hazard</b> | Yes |
| <b>Reactive Hazard</b>                   | no  |

### **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 |
|--------------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| TRANS-1,2-DICHLOROETHYLENE<br>156-60-5     |                             |                        | X                         |                            |
| DODECYLBENZENE SULFONIC ACID<br>27176-87-0 | 1000 lb                     |                        |                           | 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 | RQ                                                                                 |
|--------------------------------------------|--------------------------|------------------------------------|------------------------------------------------------------------------------------|
| TRANS-1,2-DICHLOROETHYLENE<br>156-60-5     | 1000 lb 1 lb             |                                    | RQ 1000 lb final RQ<br>RQ 454 kg final RQ RQ 1 lb final RQ<br>RQ 0.454 kg final RQ |
| ACETONE<br>67-64-1                         | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ                                         |
| DODECYLBENZENE SULFONIC ACID<br>27176-87-0 | 1000 lb                  |                                    | RQ 1000 lb final RQ<br>RQ 454 kg final RQ                                          |

## **U.S. State Regulations**

### **California Proposition 65**

This product does not contain any known Proposition 65 chemicals.

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

| Chemical Name                          | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------------|------------|---------------|--------------|
| TRANS-1,2-DICHLOROETHYLENE<br>156-60-5 |            | X             | X            |
| ACETONE<br>67-64-1                     | X          | X             | X            |
| CARBON DIOXIDE<br>124-38-9             | X          | X             | X            |

|                                               |   |   |   |
|-----------------------------------------------|---|---|---|
| DODECYLBENZENE SULFONIC<br>ACID<br>27176-87-0 | 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 MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

|             |                 |                |                   |                                 |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| <u>NFPA</u> | Health Hazard 2 | Flammability 3 | Instability 0     | Physical and chemical hazards - |
| <u>HMIS</u> | Health Hazard 2 | Flammability 3 | Physical Hazard 1 | Personal protection B           |

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**Revision Note**

(M)SDS sections updated

**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**