Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier
Product name
Titan MS Soak Tank Detergent
Product number
173
Brand
Crown Chemical, Inc.

1.2 Other means of identification
Titan MS Soak Tank Detergent

1.3 Recommended use of the chemical and restrictions on use
Soak tank cleaning

1.4 Supplier’s details
Name
Crown Chemical, Inc.
Address
4701 W. 136th. St.
Crestwood, Illinois 60418
U.S.A.
Telephone
708-371-6990
Fax
708-371-6992
email
info@crown.chem.com

1.5 Emergency phone number(s)
800-535-5053

SECTION 2: Hazard identification

General hazard statement
Causes skin irritation; Causes serious eye irritation

2.1 Classification of the substance or mixture
GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements
Pictogram

1. Exclamation mark

Signal word
Warning

Hazard statement(s)
H315
Causes skin irritation
H319
Causes serious eye irritation
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Precautionary statement(s)

P264 Wash hands & skin thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water/Take off immediately contaminated clothing and wash it before reuse. Call a poison control center or doctor for treatment advice if irritation persists.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards which do not result in classification
None identified

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Irritant Mixture

Components

1. Sodium metasilicate pentahydrate
Concentration 30 % (By Weight)
EC no. 229-912-9
CAS no. 6834-92-0
Index no. 014-010-00-8
- Specific target organ toxicity (single exposure), Cat. 3
- Skin corrosion/irritation, Cat. 1B
H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation

Trade secret statement (OSHA 1910.1200(i))
The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice Do not breathe dust or mists. Wear protective rubber gloves and chemical splash goggles when using this product. Mix ONLY with water. Wash thoroughly after handling.

If inhaled Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Control Center or doctor for treatment advice.

In case of skin contact Wash with plenty of water. Take off contaminated clothing and wash before reuse. Call a Poison Control Center or doctor for treatment advice if irritation persists.

In case of eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.

If swallowed Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

Personal protective equipment for first-aid responders Treat exposure symptomatically. In all cases of eye contact, ingestion, or inhalation, contact a doctor or Poison Control Center immediately.
4.2 **Most important symptoms/effects, acute and delayed**
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

4.3 **Indication of immediate medical attention and special treatment needed, if necessary**
No data available.

**SECTION 5: Fire-fighting measures**

5.1 **Suitable extinguishing media**
Use water spray, fog or foam.

5.2 **Specific hazards arising from the chemical**
None Known

5.3 **Special protective actions for fire-fighters**
Self-contained breathing apparatus.

**Further information**
Remove all persons from the vicinity. No responsive action should be taken without proper training.

**SECTION 6: Accidental release measures**

6.1 **Personal precautions, protective equipment and emergency procedures**
Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 **Environmental precautions**
See Section 12 for ecological information.

6.3 **Methods and materials for containment and cleaning up**
Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

**Reference to other sections**
For disposal see section 13.

**SECTION 7: Handling and storage**

7.1 **Precautions for safe handling**
Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling.

7.2 **Conditions for safe storage, including any incompatibilities**
Keep out of reach of children. Keep containers tightly closed when not in use. Store in a well ventilated area between 60-100°F (15- 38°C). Avoid ignition sources.

**Specific end use(s)**
Apart from the uses mentioned in section 1 no other specific uses are stipulated.

**SECTION 8: Exposure controls/personal protection**

8.2 **Appropriate engineering controls**
Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 **Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**
Wear chemical splash goggles or face shield when using this product.
**Skin protection**
Wear protective rubber gloves and a long sleeved shirt to prevent contact.

**Body protection**
Wash thoroughly after use and before eating, smoking, or using the bathroom. Avoid contamination of clothing or shoes, and wash any contaminated items before reuse. If possible, avoid wearing contact lenses when using this product.

**Respiratory protection**
If inhalable particles of dusts or mists may occur during use, wear NIOSH approved respiratory protection.

**Thermal hazards**
No data available.

**Environmental exposure controls**
Do not let product enter drains.

### SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

- **Appearance/form (physical state, color, etc.)**: Colorless Liquid
- **Odor**: Characteristic
- **Odor threshold**: No data available.
- **pH**: <11.5 (1% Solution)
- **Melting point/freezing point**: N/A - <0°F
- **Initial boiling point and boiling range**: N/A
- **Flash point**: Non-Combustible
- **Evaporation rate**: <1.0
- **Flammability (solid, gas)**: N/A
- **Upper/lower flammability limits**: N/A
- **Upper/lower explosive limits**: No data available.
- **Vapor pressure**: No data available.
- **Vapor density**: <1.0
- **Relative density**: >1.0
- **Solubility(ies)**: 100% (in 120°F Water)
- **Partition coefficient: n-octanol/water**: No data available.
- **Auto-ignition temperature**: No data available.
- **Decomposition temperature**: No data available.
- **Viscosity**: No data available.
- **Explosive properties**: No data available.
- **Oxidizing properties**: No data available.

**Other safety information**
No data available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity**
Product is not reactive under normal storage and usage conditions. Mix this product ONLY with water.

**10.2 Chemical stability**
Product is stable under normal storage and usage conditions.

**10.3 Possibility of hazardous reactions**
No data available.

**10.4 Conditions to avoid**
Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

**10.5 Incompatible materials**
Strong oxidizers, bases and acids.
10.6 Hazardous decomposition products
None are expected under normal storage and usage conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Eyes, Skin, Ingestion, Inhalation

Skin corrosion/irritation
Skin contact may cause irritation or pain and redness.

Serious eye damage/irritation
Eye contact may cause irritation or pain, redness and watering.

Respiratory or skin sensitization
Inhalation may cause coughing, choking and respiratory tract irritation.

Germ cell mutagenicity
No data available.

Carcinogenicity
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

Aspiration hazard
No data available.

Additional information
No known significant effects or critical hazards.

SECTION 12: Ecological information

Toxicity
No specific data available for this mixture.

Persistence and degradability
No data available on product

Bioaccumulative potential
No data available on product

Mobility in soil
No data available.
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**Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**
No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

**Disposal of the product**
Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

**Disposal of contaminated packaging**
Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

## SECTION 14: Transport information

**DOT (US)**
Non-regulated liquid

**Note:** Certain package sizes of this product may qualify for exceptions to DOT’s packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

**SARA 302 Components**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**
Acute Health Hazard

**Massachusetts Right To Know Components**
No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**
Disodium metasilicate pentahydrate, CAS-No. 10213-79-3

**New Jersey Right To Know Components**
Disodium metasilicate pentahydrate, CAS-No. 10213-79-3

**California Prop. 65 Components**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**California Prop. 65 Components**
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.