

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : Total-B Exterior Transportation Wash
 Product code : ATOTALB-001-001

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Seacole-CRC, LLC
 13505 Industrial Park Blvd
 Plymouth, MN 55441 - USA
 T 763-582-1140
www.Seacole.com

1.4. Emergency telephone number

Emergency number : Infotrac - 800-535-5053

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Corr. 1A H314 Causes severe skin burns and eye damage
 Eye Dam. 1 H318 Causes serious eye damage

Full text of hazard classes and H-statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger
 Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage
 H318 - Causes serious eye damage
 Precautionary statements (GHS-US) : P260 - Do not breathe mist, spray.
 P264 - Wash clothing, hands, forearms and face thoroughly after handling.
 P280 - Wear eye protection, face protection, protective clothing, protective gloves.
 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 - Immediately call a doctor, a POISON CENTER
 P321 - Specific treatment (see a doctor, a POISON CENTER on this label)
 P363 - Wash contaminated clothing before reuse.
 P405 - Store locked up.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

Total-B Exterior Transportation Wash

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|--|----------------------|--------------|--|
| Sodium Metasilicate | (CAS-No.) 6834-92-0 | 3 - 5 | Skin Corr. 1A, H314 Eye Dam. 1, H318 |
| Potassium Hydroxide | (CAS-No.) 1310-58-3 | 1 - 3 | Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 |
| Ethox. Cocoalkylmethyl Quat. Ammon. Chlo | (CAS-No.) 61791-10-4 | 1 - 3 | Eye Dam. 1, H318 |
| 1-Hydroxyethylidene Bisphosphonic Acid | (CAS-No.) 2809-21-4 | 1 - 3 | Acute Tox. 4 (Oral), H302 |
| Poly(Oxy-1,2-Ethanediy), A-Undecyl-W-Hy | (CAS-No.) 34398-01-1 | 1 - 3 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |
| Sodium Hydroxide | (CAS-No.) 1310-73-2 | 1.02 - 1.052 | Skin Corr. 1A, H314 Eye Dam. 1, H318 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician. |
| First-aid measures after skin contact | : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician. |

4.2. Most important symptoms and effects (acute and delayed)

| | |
|---|---|
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/effects | : Causes severe skin burns and eye damage. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

| | |
|------------|---|
| Reactivity | : Thermal decomposition generates : Corrosive vapors. |
|------------|---|

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Total-B Exterior Transportation Wash

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Sodium Hydroxide (1310-73-2) | | |
|---|-------------------------------------|----------------------|
| ACGIH | Local name | Sodium hydroxide |
| ACGIH | Remark (ACGIH) | URT, eye, & skin irr |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 2 mg/m ³ |
| Potassium Hydroxide (1310-58-3) | | |
| ACGIH | Local name | Potassium hydroxide |
| ACGIH | Remark (ACGIH) | URT, eye, & skin irr |
| Sodium Metasilicate (6834-92-0) | | |
| Not applicable | | |
| 1-Hydroxyethylidene Bisphosphonic Acid (2809-21-4) | | |
| Not applicable | | |
| Poly(Oxy-1,2-Ethanediy), A-Undecyl-W-Hy (34398-01-1) | | |
| Not applicable | | |
| Ethox. Cocoalkylmethyl Quat. Ammon. Chlo (61791-10-4) | | |
| Not applicable | | |

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or face shield

Skin and body protection:

Wear suitable protective clothing

Total-B Exterior Transportation Wash

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| Color | : Yellow |
| Odor | : characteristic |
| Odor threshold | : No data available |
| pH | : 13.2 |
| pH solution | : 12.1 (3%) |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Specific gravity / density | : 1.09 |
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Corrosive vapors.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Total-B Exterior Transportation Wash

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Acute toxicity : Not classified

| Potassium Hydroxide (1310-58-3) | |
|--|---|
| LD50 oral rat | 333 mg/kg (Equivalent or similar to OECD 425, Rat, Male, Experimental value) |
| ATE US (oral) | 333 mg/kg body weight |
| Sodium Metasilicate (6834-92-0) | |
| LD50 dermal rat | > 5000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Read-across) |
| LC50 inhalation rat (mg/l) | > 2.06 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Read-across) |
| 1-Hydroxyethylidene Bisphosphonic Acid (2809-21-4) | |
| LD50 oral rat | 1878 mg/kg (Rat, Male/female, Calculated value) |
| LD50 dermal rabbit | > 10000 mg/kg (24 h, Rabbit, Male/female, Literature study) |
| ATE US (oral) | 1878 mg/kg body weight |
| Poly(Oxy-1,2-Ethanediy), A-Undecyl-W-Hy (34398-01-1) | |
| LD50 oral rat | 700 - 1700 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| ATE US (oral) | 700 mg/kg body weight |
| Ethox. Cocoalkylmethyl Quat. Ammon. Chlo (61791-10-4) | |
| LD50 oral rat | > 2000 mg/kg |

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 13.2

Serious eye damage/irritation : Causes serious eye damage.
pH: 13.2

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after eye contact : Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

| Sodium Hydroxide (1310-73-2) | |
|---|--|
| LC50 fish 1 | 45.4 mg/l (Other, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value) |
| EC50 Daphnia 1 | 40.4 mg/l (Other, 48 h, Ceriodaphnia sp., Experimental value) |
| Potassium Hydroxide (1310-58-3) | |
| LC50 fish 1 | 80 mg/l (96 h, Gambusia affinis, Static system, Fresh water, Experimental value) |
| Sodium Metasilicate (6834-92-0) | |
| LC50 fish 1 | 210 mg/l (Equivalent or similar to OECD 203, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value) |
| EC50 Daphnia 1 | 1700 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Read-across) |
| 1-Hydroxyethylidene Bisphosphonic Acid (2809-21-4) | |
| LC50 fish 1 | 2180 mg/l (Equivalent or similar to OECD 203, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value) |

Total-B Exterior Transportation Wash

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| 1-Hydroxyethylidene Bisphosphonic Acid (2809-21-4) | |
|--|---|
| EC50 Daphnia 1 | 527 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value) |
| Poly(Oxy-1,2-EthanediyI), A-Undecyl-W-Hy (34398-01-1) | |
| LC50 fish 1 | 1 - 10 mg/l Fathead Minnow |
| EC50 Daphnia 1 | 1 - 10 mg/l Daphnia magna |
| ErC50 (algae) | 1 - 10 mg/l |
| Ethox. Cocoalkylmethyl Quat. Ammon. Chlo (61791-10-4) | |
| LC50 fish 1 | 10 - 20 mg/l |
| ErC50 (algae) | 1 - 5 mg/l |

12.2. Persistence and degradability

| Total-B Exterior Transportation Wash | |
|---|--|
| Persistence and degradability | Not established. |
| Sodium Hydroxide (1310-73-2) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable (inorganic) |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |
| Potassium Hydroxide (1310-58-3) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |
| Sodium Metasilicate (6834-92-0) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |
| 1-Hydroxyethylidene Bisphosphonic Acid (2809-21-4) | |
| Persistence and degradability | Not readily biodegradable in the soil. Not readily biodegradable in water. |
| Chemical oxygen demand (COD) | 0.00026 g O ₂ /g substance |

12.3. Bioaccumulative potential

| Total-B Exterior Transportation Wash | |
|---|--|
| Bioaccumulative potential | Not established. |
| Sodium Hydroxide (1310-73-2) | |
| Bioaccumulative potential | No bioaccumulation data available. |
| Potassium Hydroxide (1310-58-3) | |
| Bioaccumulative potential | Bioaccumulation: not applicable. |
| Sodium Metasilicate (6834-92-0) | |
| Bioaccumulative potential | Bioaccumulation: not applicable. |
| 1-Hydroxyethylidene Bisphosphonic Acid (2809-21-4) | |
| BCF fish 1 | 71 (Other, 49 day(s), Cyprinus carpio, Experimental value) |
| Log Pow | -3.5 (Experimental value, Other) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

12.4. Mobility in soil

Total-B Exterior Transportation Wash

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Sodium Hydroxide (1310-73-2) | |
|---|---|
| Ecology - soil | No (test)data on mobility of the substance available. |
| Sodium Metasilicate (6834-92-0) | |
| Ecology - soil | No (test)data on mobility of the substance available. |
| 1-Hydroxyethylidene Bisphosphonic Acid (2809-21-4) | |
| Log Koc | 4.22 (log Koc, Other, Experimental value) |
| Ecology - soil | Low potential for mobility in soil. |

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : NA1760 Compounds, cleaning liquid (Sodium Hydroxide), 8, II

UN-No.(DOT) : NA1760

Proper Shipping Name (DOT) : Compounds, cleaning liquid
Sodium Hydroxide

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT) : II - Medium Danger

Hazard labels (DOT) : 8 - Corrosive



DOT Packaging Non Bulk (49 CFR 173.xxx) : 202

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Symbols : D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name

Total-B Exterior Transportation Wash

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|--|--|
| DOT Special Provisions (49 CFR 172.102) | : B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. N37 - This material may be shipped in an integrally-lined fiber drum (1G) which meets the general packaging requirements of subpart B of part 173 of this subchapter, the requirements of part 178 of this subchapter at the packing group assigned for the material and to any other special provisions of column 7 of the 172.101 table. T11 - 6 178.274(d)(2) Normal..... 178.275(d)(3) TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively. TP27 - A portable tank having a minimum test pressure of 4 bar (400 kPa) may be used provided the calculated test pressure is 4 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 154 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 1 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : 30 L |
| DOT Vessel Stowage Location | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. |
| DOT Vessel Stowage Other | : 40 - Stow "clear of living quarters" |
| Emergency Response Guide (ERG) Number | : 154 |
| Other information | : No supplementary information available. |

SECTION 15: Regulatory information

15.1. US Federal regulations

| | |
|--|---------|
| Sodium Hydroxide (1310-73-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313 | |
| CERCLA RQ | 1000 lb |
| Potassium Hydroxide (1310-58-3) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313 | |
| CERCLA RQ | 1000 lb |
| Sodium Metasilicate (6834-92-0) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 1-Hydroxyethylidene Bisphosphonic Acid (2809-21-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Poly(Oxy-1,2-Ethanediy), A-Undecyl-W-Hy (34398-01-1) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Ethox. Cocoalkylmethyl Quat. Ammon. Chlo (61791-10-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

15.2. International regulations

CANADA

No additional information available

Total-B Exterior Transportation Wash

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

Sodium Hydroxide (1310-73-2)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Potassium Hydroxide (1310-58-3)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Revision date : 01/26/2018

Other information : None.

Full text of H-phrases:

| | |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |

SDS US (GHS HazCom 2012)

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