



## SAFETY DATA SHEET

**Preparation Date:** Mar 23, 2015  
**Supersedes Date:** Jul 30, 2009

**Version Number:** 08

### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT IDENTIFIER

**Product Name** Prowash M5B 341A  
**Product ID Number** DCT060450

#### RECOMMENDED USE AND RESTRICTIONS ON USE

Parts Cleaner (Aluminum, Bronze and Steel) with Rust Protection for Spray & Immersion Washers

#### COMPANY IDENTIFICATION

**Manufacturer** Diversified Chemical Technologies, Inc.  
15477 Woodrow Wilson, Detroit, MI 48238  
(313) 867-5444

#### EMERGENCY TELEPHONE NUMBER

24 Hour Emergency Phone Number (Health & Safety; Transportation) CHEMTREC - (800) 424-9300

### SECTION 2 HAZARDS IDENTIFICATION

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

#### GHS CLASSIFICATION

Product has not been tested as a whole to determine its GHS classification. Hazard categories are based on individual ingredient hazard categories. Refer Section 16 for additional GHS Phrases.

GHS Hazard Class	GHS Hazard Category
Eye Damage/Eye Irritation,	1
Skin Corrosion/Irritation	1A-1C
Skin Sensitization	1B
Specific Target Organ Toxicity (single exposure)	3

#### GHS LABEL ELEMENTS

##### Pictogram



<b>GHS Signal Word</b>
DANGER

##### GHS Hazard Phrases

H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H335 - May cause respiratory irritation.

##### GHS Precaution Phrases

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases**

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P333+313 - If skin irritation or rash occurs, seek medical advice/attention.  
 P363 - Wash contaminated clothing before reuse.

**GHS Storage and Disposal Phrases**

P405 - Store locked up.  
 P501 - Dispose of contents/container to...*licensed professional waste disposal service or contact your regulatory department.*

**POTENTIAL HEALTH EFFECTS (Acute and Chronic)**

**Chronic:** Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated eye contact may cause conjunctivitis. Effects may be delayed. May cause liver and kidney damage.

**Acute Inhalation** Harmful if inhaled. Causes severe irritation of upper respiratory tract with coughing, burns, and breathing difficulty.

**Acute Skin Contact** May cause deep, penetrating ulcers of the skin. Causes severe burns with delayed tissue destruction.

**Acute Eye Contact** Causes severe eye burns. May cause irreversible eye injury.

**Acute Ingestion** Harmful if swallowed. May cause severe and permanent damage to the digestive tract.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

CAS Number	Ingredients*	Percentage Range
102-71-6	Triethanolamine	10 – 20
6834-92-0	Sodium metasilicate	1 – 10

\*Identity of other chemicals and/or exact percentage (concentration) has been withheld as a trade secret.

**SECTION 4 FIRST AID MEASURES**

**IN CASE OF INHALATION**

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**IN CASE OF SKIN CONTACT**

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**IN CASE OF EYE CONTACT**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Assure adequate flushing by separating the eyelids with fingers. Get medical aid.

**IN CASE OF INGESTION**

Do NOT induce vomiting. If victim is conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. If swallowed, wash out mouth with water provided person is conscious. Get medical aid.

**SIGNS AND SYMPTOMS OF EXPOSURE**

The chemical, physical, and toxicological properties of the product are not investigated. To the best of our knowledge, based on ingredients, the most important known symptoms and effects are described in section 2.

**NOTE TO PHYSICIAN**

Treat symptomatically and supportively. It is advisable not to induce vomiting due to the risk of aspiration and it is not usually necessary unless a large amount has been ingested or it has been contaminated with another product.

**SECTION 5 FIRE FIGHTING MEASURES**

<b>Flash Point</b>	392 °F
<b>Flash Point Method</b>	PMCC

<b>Explosive Limits</b>	LEL: N/D UEL: N/D
<b>Auto Ignition Point</b>	NP

**SUITABLE EXTINGUISHING MEDIA**

Use dry sand or earth to smother fire. Use extinguishing media appropriate to surrounding fire conditions. For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

**FIRE FIGHTING INSTRUCTIONS**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated

**FLAMMABLE PROPERTIES AND HAZARDS** No data available.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**NOTIFICATION PROCEDURES**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. National Response Center (24-HR Reporting): (800) 424-8802.

**SAFETY PRECAUTIONS**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Vapors can accumulate in low areas. For industrial use only. Keep out of reach of children.

**CONTAINMENT AND CLEANUP**

Avoid runoff into sanitary and storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions. Absorb spill with inert material and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

**SECTION 7 HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING**

Wash thoroughly after handling. Do not breathe dust, mist, or vapor. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Use with adequate ventilation. Unvented containers may develop pressure – use with caution.

**PRECAUTIONS TO BE TAKEN IN STORAGE**

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from water. Corrosives area. Do not store in reactive metal containers (i.e. aluminum, tin, zinc and/or their alloys). Protect from freeze and high temperatures (>140 °F). Keep away from sparks, heat and flame.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

CAS #	Ingredients	OSHA TWA	ACGIH TWA	Other Limits
102-71-6	Triethanolamine	N/A	TLV: 5 mg/m3	N/A

**ENGINEERING CONTROLS**

The level of ventilation necessary will vary depending upon potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. If heavy misting is present, local exhaust ventilation should be considered in addition to general mechanical ventilation.

**WORK/HYGIENIC/MAINTENANCE PRACTICES**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing separate from home laundry and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping. Do not store work clothing and protective equipment in the same locker as personal clothing.

**PERSONAL PROTECTIVE EQUIPMENT**

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal use.

**Respiratory Protection** No protective equipment is needed under normal use conditions. If vapors or mists are present above exposure levels and if engineering controls do not maintain airborne contaminant concentrations at a level that is adequate to protect worker health, a NIOSH/MSHA approved respirator may be appropriate. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Types of respirators to be considered for this material include: Air-Purifying Half-Face Respirator with organic vapor cartridges.

**Hand Protection** Wear appropriate protective gloves to prevent skin exposure. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: Nitrile or Chemical-resistant Neoprene or PVC.

**Eye Protection** Safety glasses are recommended. If splashing is likely, safety goggles or safety glasses with splash shield are recommended. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin and Body Protection** No specific protective equipment is needed under normal use conditions. In general, the types of clothing to be considered for this material include: Long-sleeved shirt and pants, at a minimum.

**OTHER PROTECTIVE EQUIPMENT** Emergency eye wash/Safety shower

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Clear to slightly yellow
<b>Physical State</b>	Liquid
<b>Odor</b>	Mild
<b>pH</b>	13.5 – 13.6
<b>Melting Point</b>	N/D
<b>Boiling Point</b>	N/D

<b>Specific Gravity (water = 1)</b>	1.13 - 1.14
<b>Vapor Pressure</b>	N/D
<b>Viscosity</b>	N/D
<b>Evaporation Rate (water = 1)</b>	N/D
<b>Volatile Organic Compounds (%)</b>	0
<b>Solubility in Water</b>	Completely

**SECTION 10 STABILITY / REACTIVITY**

**Chemical Stability** *Unstable* [ ] *Stable* [ X ]  
**Conditions to Avoid** Extreme temperatures.  
**Reactivity / Incompatibility** Strong oxidizing agents, strong acids.  
**Hazardous Decomposition** Material does not decompose at ambient temperature. Thermal decomposition can produce a variety of compounds, the nature of which will largely depend on the conditions bringing about decomposition. Incomplete combustion or thermal decomposition may be expected to generate such materials as: particulate matter and unburned, hydrocarbons; oxides of carbon, nitrogen; water vapor; and other unidentified organic and inorganic compounds.  
**Hazardous Reactions** *Will occur* [ ] *Will not occur* [ X ]

**SECTION 11 TOXICOLOGICAL INFORMATION**

**CARCINOGENICITY**  
 Product is not tested for carcinogenicity. No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen, except as identified below;  
**IARC:** Not Listed      **ACGIH:** Not Listed      **NTP:** Not Listed

**PRODUCT TOXICOLOGICAL DATA**

Product is not tested for classification under the following categories:

**LD50 (Oral), LC50 (Inhalation), Dermal Toxicity (Skin), Skin Corrosion/Irritation, Serious Eye Damage/Irritation, Respiratory/ Skin Sensitization, Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity, STOT-single exposure, STOR-repeated exposure, Aspiration Hazard**

**INGREDIENT TOXICOLOGICAL DATA**

None of the ingredients above 1% concentration (0.1% for carcinogens) trigger the hazard rating or classify under the following categories, unless indicated below:

**LD50 (Oral), LC50 (Inhalation), Dermal Toxicity (Skin), Skin Corrosion/Irritation, Serious Eye Damage/Irritation, Respiratory/ Skin Sensitization, Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity, STOT-single exposure, STOR-repeated exposure, Aspiration Hazard**

**SECTION 12 ECOLOGICAL INFORMATION**

<b>General Ecological Information</b>	N/AV.	<b>Persistence and Degradability</b>	N/AV
<b>Bioaccumulative Potential</b>	N/AV.	<b>Mobility in Soil</b>	N/AV

**SECTION 13 DISPOSAL CONSIDERATIONS**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Contact a licensed professional waste disposal service to dispose of this material. Preferred method of disposal is to dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

<b>Contaminated Packaging</b>	Dispose of as unused product
<b>Empty Containers</b>	Clean empty containers of any residue per 40CFR261.7 guidelines and either recycle containers or dispose of in normal trash.

**SECTION 14 TRANSPORT INFORMATION**

	LAND (US DOT)	MARINE (IMDG)	AIR (IATA)
<b>Proper Shipping Name</b>	Corrosive Liquid, n.o.s. (contains sodium metasilicate and other proprietary ingredients)		
<b>Hazard Class</b>	8		
<b>ID Number</b>	UN1760		
<b>Packaging Group</b>	II		

**Additional Information**

**DOT Quantity Limitation:** 1 L for ground transportation  
**DOT Label for Limited Quantities:** LQ diamond per 49CFR172.315

**SECTION 15 REGULATORY INFORMATION**

**EPA SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986) LISTS**

[302 (EHS) TPQ, 304 CERCLA RQ, 304 EHS RQ, 313 (TRI)]

None of the ingredients above 1% concentration (0.1% for carcinogens) are identified in the lists.

**Product Name:** Prowash M5B 341A

**Preparation Date:** Mar 23, 2015

SARA TITLE III SECTION 311/312 CATEGORIZATION (40 CFR 370)	Yes	No
Acute (immediate) Health Hazard	X	
Chronic (delayed) Health Hazard	X	
Fire Hazard		X
Sudden Release of Pressure Hazard		X
Reactive Hazard		X

**STATE AND OTHER US EPA REGULATIONS**

California Prop. 65 - N/A

**WHMIS CLASSIFICATION (1988)** D2B (Stylized T) and E (Corrosive Material)

*This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.*

**NATIONAL INVENTORIES**

TSCA	Yes
CAA HAP, ODC	No
CWA NPDES	No
CEPA (DSL/NDSL)	Yes
KECI	N/D

AICS	N/D
IECSC	N/D
EINECS	N/D
ENCS	N/D
PICCS	N/D

**SECTION 16**

**OTHER INFORMATION**

**ADDITIONAL GHS PHRASES**

GHS phrases provided below are in addition to the phrases available in Section 2. GHS phrases are identified in accordance with GHS regulations and are triggered for each hazard category.

*P281 - Use personal protective equipment as required.*

*P201 - Obtain special instructions before use.*

*P202 - Do not handle until all safety precautions have been read and understood.*

*P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.*

*P308+313 - IF exposed or concerned: Get medical attention/advice.*

*P310 - Immediately call a POISON CENTER or doctor/physician.*

*P321 - Specific treatment see ... on this label.*

*P272 - Contaminated work clothing should not be allowed out of the workplace.*

**NFPA RATING**

Health (Blue): 3 Flammability (Red): 0 Reactivity (Yellow): 0 Specific Hazard(s) (White): None

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS**

EU format MSDS to GHS format SDS; Ingredient/percentage

**USER RESPONSIBILITY**

It is the user's responsibility to determine the suitability and adopt precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of this product.

**PREPARED BY**

Corporate Environment/Health and Safety Department of Diversified Chemical Technologies, Inc. and Subsidiaries

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