



SDS SAFETY DATA SHEET

Preparation Date: May 1, 2015

1. IDENTIFICATION SUBSTANCE & COMPANY

Product Name B52 Degreaser Ultra Concentrate
Product codes BC6, BC12
Other means of Identification: Cleaning Solution

Hollander Corporation 1-800-741-5000 8-5 m-f
Hollander Corporation 1-706-483-2500 24/7
P.O. Box 850 Adairsville GA 30103
Emergency telephone PERS 1-800-633-8253 24/7
Product Use Description: Professional Use Only!

2. HAZARDS IDENTIFICATION

This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

GHS Classification

| | |
|----------------------|-------------|
| Acute toxicity, Oral | Category 4 |
| Skin corrosion | Category 2 |
| Serious eye damage | Category 2A |
| Corrosion to metals | Category 1 |

Label Elements:

Signal Words: WARNING

2.2 Pictograms:



2.4 Hazard Statements

| | |
|-----------|-------------------------------|
| H302 | Harmful if swallowed |
| H319+H320 | Causes serious eye irritation |
| H315 | Causes skin irritation |

Physical Hazards

| | |
|------|----------------------------|
| H290 | May be corrosive to metals |
|------|----------------------------|

2.5 Precautionary Statements

| | |
|-----------|--|
| P234 | Keep only in original container. |
| P406 | Store in corrosive resistant container with a resistant inner liner. |
| P390 | Absorb spillage to prevent material damage. |
| P264 | Wash hands thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product |
| P280 | Wear eye protection. |
| P301+P312 | IF SWALLOWED: Call a poison center or doctor. |
| P302+P352 | IF ON SKIN: Wash with plenty of water |
| P362+P364 | Take off contaminated clothing and wash it before reuse |
| P332+P313 | If skin irritation occurs: Get medical attention. |

| Precautionary Statements continued | |
|------------------------------------|--|
| 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. |
| P101 | If medical advice is needed: Have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS # | Concentration wt/wt(*) |
|--|--------------|------------------------|
| Sodium Metasilicate | 6834-92-0 | <1 |
| Sodium Hydroxide | 1310-73-2 | <2.5 |
| Surfactant Blend | Trade Secret | 5-20 |
| * Note: The exact concentration of the Surfactant Blend is being withheld as a trade secret. | | |

4. FIRST AID MEASURES

Description of first aid measures:

INHALATION: Not likely when used in present form. If inhaled remove victim to fresh air and keep at rest. Call a poison center or doctor, if you feel unwell.
SKIN CONTACT: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs get medical attention.

EYE CONTACT: If product gets in eyes flush with water for at least 15 minutes. If eye irritation persists seek medical advice/attention.

INGESTION: Do NOT induce vomiting unless instructed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Notes to physician, Hazards:

Most important symptoms and effects, both acute and delayed:

May cause skin irritation.

May cause serious eye irritation.

Ingestion may cause gastrointestinal irritation, nausea, vomiting, diarrhea and burns to the mouth, throat and esophagus. **Indication of any immediate medical attention and special treatment needed:**
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Water fog, Carbon dioxide, Dry chemical, Foam. Unsuitable extinguishing media: Not available.

Special hazards arising from the substance or mixture: None known.

Flammability classification: Not flammable by OSHA/WHMIS criteria.

Special protective equipment and precautions for firefighters: Protective equipment for fire-fighters: Firefighters should wear proper protective equipment (Bunker gear) and self-contained breathing apparatus with full face operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions: Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Other information: Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understand. Wear protective gloves and eye/face protection. Adequate ventilation should be supplied. Avoid prolonged contact with skin, eyes and clothing. Keep away from heat. Keep container tightly closed. Conditions for safe storage: Store in cool, dry and well ventilated place. Containers should be clearly identified, clear of obstructions and accessible only to authorized personnel. Have appropriate fire extinguishers/sprinkler system in place. Spill clean-up equipment should be in or near storage area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

| Chemical Name | ACGIH-TLV | OSHA-PEL |
|---------------------|---------------|---------------|
| Sodium Metasilicate | Not Available | 5mg/m3 (TWA) |
| Sodium hydroxide | 2mg/m3 | 2mg/m3 |
| Surfactant Blend | Not Available | Not Available |

Ventilation and Engineering Measures: Use in well ventilated area. Apply technical measures to comply with occupational exposure limits if needed.

Respiratory Measures: If airborne concentrations are above the permissible exposure limit, use NIOSH approved respirators.

Skin Protection: Wear protective gloves. Where extensive exposure to the product is possible, use resistant apron/suit and boots.

Eye/Face Protection: Goggles or safety glasses with side shields.

Other Protective Equipment: Ensure that eyewash stations and a safety shower are close to the workstation(s).

General Hygiene Considerations: Avoid prolonged contact with eyes, skin and clothing. Do not eat or drink when using this product. Wash hands after handling. Remove and wash all contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------------|---------------|
| Appearance: | Brown |
| Odor: | Neutral |
| Odor threshold: | Not Available |
| PH: | 11.5 to 12.6 |
| Melting/Freezing pointing: | 28 F |
| Boiling point and boiling range: | 212 F |
| Flash point: | >200 |
| Evaporation point (Butyl Acetate=1): | Not Available |
| Flammability (method determination): | Not Available |
| Lower flammability limit | Not Available |
| Upper flammability limit (% by vol.): | Not Available |
| Vapor pressure: | Not Available |
| Vapor density: | Not Available |
| Relative density: | 1.00-105 |
| Solubility in water: | Complete |

| | |
|--|---------------|
| Partition Coefficient (n-octanol/water): | Not Available |
| Auto ignition temperature: | Not Available |
| Decomposition temperature: | Not Available |
| Viscosity: | Not Available |
| Volatiles (% by wt) = | 0 |
| Volatile organic compounds: | Not Available |
| Other physical/chemical comments: | No other info |

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: Heat. Contact with incompatible materials.

Incompatible materials: Strong oxidizers, Strong acids.

Hazardous decomposition products: Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on routes of exposure:

Routes of entry - Inhalation: YES

Routes of entry - Skin & Eye: YES

Routes of entry - Ingestion: YES

Routes of entry - Skin Absorption: YES

Potential Health Effects:

Signs and symptoms of short term exposure:

Signs and symptoms: Inhalation – May cause respiratory irritation.

Signs and symptoms: Ingestion – Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Larger amounts may cause burns to the throat and esophagus.

Signs and symptoms: Skin – May cause irritation.

Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Signs and symptoms: Eyes – May cause serious irritation.

Potential Chronic Health Effects: None known.

Mutagenicity: Not hazardous by OSHA/WHMIS criteria.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects: Not hazardous by OSHA/WHMIS criteria.

Sensitization to material: No data available to indicate product may be a sensitizer.

Specific target organ effects: Not Available.

Medical conditions aggravated by overexposure: Pre-existing skin and eye conditions.

Toxicological data: The calculated ATE value for this mixture is well above classification parameters.

ATE (oral) = 23,000mg/kg

| Chemical Name | ACGIH-TLV | OSHA-PEL |
|---------------------|-------------------|---------------|
| Sodium Metasilicate | 847mg/kg (Rat) | Not Available |
| Sodium hydroxide | 500mg/kg (Rabbit) | Not Available |
| Surfactant Blend | Not Available | Not Available |

12. ECOLOGICAL INFORMATION

Ecotoxicity: This product itself has not been tested.

Mobility in soil: This product itself has not been tested.

Persistence and degradability: This product itself has not been tested.

Bioaccumulation potential: This product itself has not been tested.

Other adverse environmental effects: None Known.

13. DISPOSAL CONSIDERATIONS

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulation. Contact your federal, state, provincial and local authorities for specific rules.

14. TRANSPORT INFORMATION

US 49 CFR/DOT. Ground Transportation

| UN NUMBER | UN SHIPPING NAME | NMFC |
|------------------------|--|---------------|
| UN3266 | Corrosive liquid, basic, inorganic, N.O.S., (sodium hydroxide, sodium metasilicate). | Not Available |
| TRANSPORT HAZARD CLASS | PACKING GROUP | ERG |
| 8 | II | 154 |

Special Transportation Notes: May be shipped as Limited Quantity by ground per provisions of CFR 49 173.154 (b).

15. REGULATORY INFORMATION

California Prop. 65

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act.

US CERCLA Reportable quantity (RQ): Sodium hydroxide 1,000 lbs.

SARA Title III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355:

No extremely hazardous substances are present in this material.

SARA Title III: Sec. 311 and 312, MSDS

Requirements, 40 CFR 370 Hazard Classes:

Reactive Hazard, Acute Health Hazard, Chronic Health Hazard. Under SARA Section 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA Title III: Sec. 313, Toxic Chemicals

Notification, 40 CFR 372:

No components are present in this material.

State Regulations:

California Proposition 65: This product does not contain a chemical known to the State of California to cause, birth defects or other reproductive harm.

International Information:

Canadian Environmental Protection Act (CEPA)

information: All ingredients listed appear on the Domestic Substances List (DSL).

16. OTHER INFORMATION

HMIS – Hazardous Materials Identification System

Health -2 Flammability -1 Physical Hazard -1 PPE –B

NFPA – National Fire Protection Association

Health -2 Flammability -1 Reactivity -1

Abbreviations legend;

ACGIH: American Conference of Governmental Industrial Hygienist

CAS: Chemical abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFR: Code of Federal Regulations

CSA: Canadian Standards Association

DOT: Department of Transportation

ECOTOX: U.S. EPA Ecotoxicology Database

EINECS: European Inventory of Existing Commercial chemical Substances

EPA: Environmental Protection agency

HSDB: Hazardous Substances database

IARC: International Agency for Research on Cancer

IBC: Intermediate Bulk Container

IUCLID: International Uniform Chemical Information Database

LC: Lethal Concentration

LD: Lethal Dose

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OECD: Organization for Economic Cooperation and Development

PEL: Permissible exposure limit

RCRA: Resource Conservation and Recovery Act

RTECS: Registry of Toxic Effects of Chemical Substances

SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values

TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification

DISCLAIMER

The information continued herein is based on the manufactures' own study and the work of others, implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this SDS, or in any other way related (directly or indirectly) to this SDS. 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 the 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 other process. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Hollander
CORPORATION

This MSDS has been prepared by Hollander Corporation 1-800-741-5000.