

SHARPERTEK®

Safety Data Sheet

SC380 GreaseBuster PARTS WASHER COMOUND

Section 1 – Product and Company Information

Product Identifiers

Name SC380 GreaseBuster Parts Washer Compound
Number SC380 Grease Buster
Brand Sharpertek
Product Use Formulated for industrial use only as a cleaner to remove grease, oil, and particulate from ferrous metals, and aluminum and zinc in conjunction with mass finishing operations.

Supplier

Name Sharpertek
Address 486 S Opdyke Rd, Pontiac, MI 48341 www.Sharpertek.com
Telephone (248) 340-0593 - (248) 340-6189 Fax
Emergency Phone (800) 424-9300 CHEMTREC - Poison Control 1-800-222-1222
Prepared/Revised April 10, 2016

Section 2 – Hazard Identification

Classification of the substance or mixture.

Physical Hazard Corrosive to Metals (Category 1), May be corrosive to metals.
Health Hazards Acute toxicity, Oral (Category 4), Harmful if swallowed.
Skin Corrosion / Irritation (Category 1), Causes severe skin burns and eye damage.
Eye Damage / Irritation (Category 1), Causes serious eye damage.
Specific Target Organ Toxicity (Single Exposure) (Category 3), May cause respiratory irritation.



Environmental Hazards Not Classified

GHS Label elements and precautionary statements

Pictogram Corrosion – Exclamation Mark

Signal Word **DANGER**

Prevention

Keep only in original packaging. Absorb spillage to prevent material damage. Wash hands or other contact areas thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/gas/fume/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention if you feel unwell. Rinse mouth. DO NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Specific treatment: See Section 4: First Aid Measures.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Storage

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in corrosion resistant container or container with a resistant inner liner.

Disposal

Dispose of container or contents in accordance with all regulations.

Hazards not otherwise classified not covered by GHS.

HMIS Rating: Health hazard: 2 Chronic Health Hazard: Flammability: 0 Physical Hazard 0
NFPA Rating: Health hazard: 2 Fire Hazard: 0 Reactivity Hazard: 0

Supplemental Information.

See Section 16 for alphanumeric H-Statements and P-Statements.

Section 3 – Composition/Information on Ingredients

Component	CAS Number	% Wt.
Sodium Metasilicate	6834-92-0	5-10
Tetra Potassium Pyrophosphate	7320-34-5	5-10
Potassium Hydroxide	1310-58-3	5-10
Ethylene Glycol Monobutyl Ether	111-76-2	5-10
Carboxylic Acid, Amine Salt	72368-48-9	1-5
Mixed C8 Amphocarboxylates	Mixture	1-5

This composition consists of a combination of ingredients. The ones potentially contributing to classified hazards are reported above. The above chemistries are provided for industrial hygiene and environmental purposes and are not intended to represent product specifications.

Section 4 – First Aid Measures

Description of first aid measures

General advice: Move out of dangerous area. Consult a physician. Show this SDS to the doctor and first responders.

In case of eye contact: 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.

In case of skin contact: Wash with plenty of water. Take off all contaminated clothing and shoes. Wash contaminated clothing before reuse. Decontaminate or discard shoes. Seek immediate medical attention if you feel unwell.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Contact a POISON CENTER/doctor/see immediate medical attention.

If swallowed: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention. Rinse mouth. Do not induce vomiting due to inhalation risk.

Most important symptoms and effects, both acute and delayed: See Sections 2 and 11.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5 – Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use dry chemical, foam or water fog to extinguish.

Unsuitable Extinguishing Media: Do not use direct water stream to avoid spreading fire and splattering chemicals.

Special hazards arising from the substance or mixture: Use water spray to cool fire exposed container surfaces and to protect personnel. May form flammable and explosive Hydrogen gas when in contact with non-ferrous. Thermal decomposition can produce chemical oxides, carbon monoxide and carbon dioxide (asphyxiates at sufficient concentrations).

Advice for firefighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

Further information: If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid breathing fume/gas/mist/spray. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation.

Environmental precautions: Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Use noncombustible absorbents for small spills. Vacuum larger spills. Use suitable and properly labeled containers. Dispose of contents/container to an approved waste disposal plant. Never return spills to original containers for re-use.

Reference to other sections-resources: For additional information, refer to Section 8: Exposure Controls and Personal Protection, Section 7: Handling, Section 12: Ecological Information, Section 13: Disposal Considerations and OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120).

Section 7 – Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist for liquids. Remove all traces of product and its residue before working on equipment. Maintenance personnel should wear protective equipment and clothing so as to prevent personal contact and should be informed regarding necessary precautions applicable to this product.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from acids. Avoid prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc, or other alkali sensitive metals with undiluted product or highly concentrated solutions.

Specific end use

See Section 1.

Section 8 – Exposure Control and Personal Protection

Control parameters

Guidelines may not apply to every situation. Industrial hygiene evaluations should be completed at each work place. Exposure limits are for air levels only. When skin contact also occurs, workers may be overexposed, even though air levels are less than the limits when provided.

Component Workplace Exposure Limits

Potassium Hydroxide (1310-58-3): NIOSH: The recommended airborne exposure limit (REL) is 2 mg/m³, which should not be exceeded at any time. ACGIH: The threshold limit value (TLV) is 2 mg/m³, which also should not be exceeded at any time.

Sodium Metasilicate (6834-92-0) - Tetra Potassium Pyrophosphate (7320-34-5) - Ethylene Glycol Monobutyl Ether (111-76-2) - Carboxylic Acid, Amine Salt (72368-48-9) - Mixed C8 Amphocarboxylates: No OSHA – NIOSH – ACGIH exposure limits.

Exposure controls

Appropriate engineering controls: Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. Maintain airborne levels below exposure limit requirements or guidelines. If local exhaust ventilation or enclosure is not used respirators should be worn. Wear protective work clothing. Facilities storing, packaging or utilizing product should be equipped with an eyewash and a safety shower facility. Wash thoroughly immediately after exposure, before breaks and the end of the work shift. Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards to potentially exposed workers.

Personal protective equipment

Safety glasses and chemical resistant gloves are recommended whenever chemicals are handled. Obtain detailed information from OSHA Personal Protective Equipment Standard (29 CFR 1910.132) and equipment suppliers.

Eye/face protection: Face shield and, or safety glasses are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Wear protective gloves/protective clothing. Dispose of contaminated gloves after use in accordance with applicable regulations and good practices. Wash and dry hands. Wash contaminated clothing and decontaminate shoes before reuse. (Glove Material Options: Nitrile, neoprene or natural rubber.)

Respiratory protection: Use when overexposure potential. Improper use of respirators is dangerous. Respirators should only be used with a written program as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Control of environmental exposure

Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with regulations.

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Form: Liquid

Color: Orange

Odor: Mild

Odor Threshold: Not Determined

Boiling Point/Range: >212°F / Not Determined

Flash Point: Not Combustible

Auto Ignition Temp: Not Applicable

Upper - Lower Flammability Limit: Not Applicable

Vapor Pressure: As Water

Vapor Density: As Water

Freezing Point/Melting Point: N/A

Solubility (Water): 100%

Specific Gravity: 1.13

Evaporation Rate (Ethyl ether = 1): N/A

Viscosity: Non-viscous

pH: 12.3

Other Information:

Volatility (wt. %): 8

Physical Data is typical values based on material tested, but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

Section 10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: This product was formulated to be used in low concentrations (aqueous solutions approximately 1-3% by volume) on ferrous metals (iron and steel), or aluminum and zinc. At these concentrations, it may darken or be corrosive to other non-ferrous metals. Undiluted or highly concentrated solutions may be corrosive to all non-ferrous metals depending on time, temperature and concentrations involved.

Hazardous decomposition products: May form flammable and explosive Hydrogen gas with non-ferrous metals contact.

Other decomposition products: May form toxic oxides of carbon under fire conditions.

Section 11 – Toxicity Information

Information on Toxicological Effects

Component toxicity

Sodium Metasilicate (6834-92-0): Acute toxicity: LD50 Oral - rat - male and female - 1,152 - 1,349 mg/kg Remarks: Gastrointestinal: Ulceration or bleeding from stomach.

Ethylene Glycol Monobutyl Ether (111-76-2): Acute toxicity LD50 Oral - Rat - 470 mg/kg LC50 Inhalation - Rat - 4 h - 450 ppm.

Potassium Hydroxide (1310-58-3): Acute toxicity: LD50 Oral - Rat - 333 mg/kg - Skin – Rabbit: Severe skin irritation - 24 h Eyes – Rabbit: Corrosive to eyes (OECD Test Guideline 405)

Tetra Potassium Pyrophosphate (7320-34-5) - Carboxylic Acid, Amine Salt (72368-48-9) - Mixed C8 Amphocarboxylates: No data available.

Mixture toxicity

Inhalation – Dermal - Skin corrosion/irritation - Eye damage/eye irritation – Respiratory/skin sensitization - Germ cell mutagenicity – Reproductive toxicity - Specific target organ toxicity - single exposure - Specific target organ toxicity - repeated exposure - Aspiration hazard: All no data available - Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is classified as a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

Additional Information

None known.

Section 12 – Ecological Information

Ecotoxicity

Component ecotoxicity

Sodium Metasilicate (6834-92-0): Toxicity to fish semi-static test LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h Toxicity to fish flow-through test LC50 - Oncorhynchus mykiss (rainbow trout) - 0.94 - 1.92 mg/l - 96.0 h mortality NOEC - Oncorhynchus mykiss (rainbow trout) - 0.54 mg/l - 96.0 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 12.5 mg/l - 48 h Toxicity to algae NOEC - Desmodesmus subspicatus (green algae) - 100 mg/l - 72 h (OECD Test Guideline 201).

Potassium Hydroxide (1310-58-3): Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 80 mg/l - 96 h.

Ethylene Glycol Monobutyl Ether (111-76-2) - Tetra Potassium Pyrophosphate (7320-34-5) - Carboxylic Acid, Amine Salt (72368-48-9) - Mixed C8 Amphocarboxylates: No data available.

Mixture ecotoxicity

Toxicity to Fish - Persistence and Biodegradability - Bioaccumulative Potential - Mobility in Soil: No data available for mixture.

Other adverse effects

None known.

Section 13 – Disposal Consideration

Waste treatment methods

Product: Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 – Transport Information

DOT

Chemical Family: Alkaline Cleaner

Proper Shipping Name: Corrosive Liquid n.o.s. (Contains Sodium Metasilicate)

Hazard Classification: Corrosive Material

Packing Group: PG III

Chemical Formula: n.a. proprietary mixture

DOT Hazardous Substance? Yes

RQ: 1000 lbs.

UN NUMBER: UN1760

CAS Registry No: n.a. proprietary mixture

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through a shipper authorized sales or customer service representative.

Section 15 – Regulatory Information

Federal

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

RCRA: (Resource Conservation/Recovery Act): Section 13. Disposal Considerations.

CERCLA: (Comprehensive Emergency Response Compensation, and Liability Act): Contains 7% by weight of Potassium Hydroxide listed in 40 CFR 302 as a hazardous substance with reportable quantity (RQ) of 1000 lbs. Releases to air, land or water which exceed RQ must be reported to the National Response Center, 800-424-8802.

SARA TITLE III: (Superfund Amendments and Reauthorization Act)

Section 301-303: None of the ingredients of this product are contained on SARA's Extremely Hazardous Substances List

Section 311/312 Hazards: Acute Health Hazard

Section 313 Components: Contains 1 % Ethylene Glycol Monobutyl Ether (Glycol Ether) which is listed and may require reporting under that statute.

States

State Right to Know Components: PA & NJ: Water (7732-18-5) - Sodium Metasilicate (6834-92-0) - Potassium hydroxide (1310-58-3) - Ethylene Glycol Monobutyl Ether (111-76-2) - Tetra Potassium Pyrophosphate (7320-34-5) - Carboxylic Acid, Amine Salt (72368-48-9).

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.

Canada

DSL: This product, or its components, are listed on or are exempt from the Canadian Domestic Substances List (DSL).

WHMIS: Potassium Hydroxide - Sodium Metasilicate: E - Corrosive Material (Necrosis of animal skin tissue.) - Disclosure at 1.0%. - Ethylene Glycol Monobutyl Ether - Tetra Potassium Pyrophosphate - Carboxylic Acid, Amine Salt: Uncontrolled.

Section 16 – Other Information

Full alphanumeric H-Statements and P-Statements.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

P234 Keep only in original packaging.

P260 Do not breathe dusts or mists.

P261: Avoid breathing dust/gas/fume/mist/vapors/spray.

P264 Wash hands or other contact areas thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P312 IF SWALLOWED: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention if you feel unwell. Rinse mouth. DO NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or 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.

P312 Immediately call a POISON CENTER/doctor/ Seek immediate medical attention if you feel unwell

P321 Specific treatment: See Section 4: First Aid Measures.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P406 Store in corrosion resistant container or container with a resistant inner liner.

P501 Dispose of container or contents in accordance with all regulations.

Disclaimer

Hazard ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all information contained in this SDS must be considered. The information in this Safety Data Sheet was obtained from sources we believe reliable. However, the information is provided without any warranty, expressed or implied regarding to its correctness. The conditions or methods of handling, storage, and/or disposal of this product is beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with usage, storage or disposal of this product. See Section 2 for technical and for emergency contact information.