Material Safety Data Sheet

Issuing date 30-Aug-2011 **Revision Date** 28-Nov-2011 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name **Swisher Carbon Off**

Product code 42115-32OZ
UN/ID No NA1760

Recommended Use Grease and Carbonized Soil Remover

Distributor
Swisher Hygiene Inc.
4725 Piedmont Row Drive,
Suite 400,
Charlotte, NC 28210

Chemical Emergency Phone Number 800-424-9300 (Chemtrec)

Company Emergency Phone Number 800-444-4138

2. HAZARDS IDENTIFICATION

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance Clear Liquid **Physical state** liquid. **Odor** Light odor

Potential Health Effects
Acute toxicity

Eyes Causes burns and damage to eyes.
Skin Cause burns and skin destruction over limited and extended period of time.
Inhalation Can Irritate nose, throat and lungs, can cause burns to lungs if inhalation is severe enough or driven by fumes.
Ingestion High Toxicity and will cause damage to mouth, lips, throat and other areas of contact.

Chronic Effects No known effect based on information supplied

Aggravated Medical Conditions Skin and eye damage can result from fumes generated by extreme heat.

Environmental hazard See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %
Potassium hydroxide	1310-58-3	5-10

Sodium silicate	1344-09-8	5-10
Dipropylene glycol monomethyl ether	34590-94-8	5-10
Benzenesulfonic acid, C10-16-alkyl derivatives	68584-22-5	5-10
Pentasodium triphosphate	7758-29-4	2-5

4. FIRST AID MEASURES

Eye contact Flush with flowing water for 15 minutes & see physician.

Skin contact Wash with soap and water immediately upon contact. Flush with mild acid material (vinegar, etc).

Inhalation Flush any exterior areas of contact with water and contact a physician as quickly as possible.

Ingestion Drink large volumes of water followed by mild acids such as orange juice or 5% acetic acid or any other citrus juice. Do not induce vomiting. Call Physician as quickly as possible

Notes to physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable

Flash point N/A

Suitable Extinguishing Media Water, foam or spray is acceptable product is non-flammable/non-combustible product.

Explosion Data
Sensitivity to Mechanical Impact none
Sensitivity to Static Discharge none

Specific hazards arising from the chemical Avoid breathing boiling product fumes and keep product away from Zinc, Aluminum, magnesium, copper as this may cause the release of Hydrogen gas that can be explosive.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	**Health Hazard** 1	**Flammability** 0	**Stability** 0	**Physical and chemical hazards** -
HMIS	**Health Hazard** 1	**Flammability** 0	**Physical Hazard** 0	**Personal protection** B

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation

Environmental precautions For small spill: Hose down with cool water and dispose of product down the sanitary drain. For Large Spills: contain product in dike, collect and add collected product to cool water with constant stirring.

Methods for Containment Prevent further leakage or spillage if safe to do so

Methods for cleaning up Diluted product can now be neutralized to a pH of 7.0 using Muratic, HCL or phosphoric acid solutions and then disposed of down a sanitary drain.

7. HANDLING AND STORAGE

Advice on safe handling Empty drums must be treated as hazardous due to alkaline product residue.

Technical measures/Storage conditions Avoid mixing this product with Acid or Chlorine based Laundry chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	2 mg/m³	2 mg/m³	Ceiling: 2 mg/m³
Dipropylene glycol monomethyl ether 34590-94-8	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m³ S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m³ STEL: 150 ppm STEL: 900 mg/m³
Pentasodium triphosphate 7758-29-4		15mg/m³	

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment Institutional Environment

Eye/Face Protection Safety glasses are suggested when using this product in heavy use and institutional environments.
Consumer Environments Care should be taken to avoid Eye contact.
Skin and body protection Rubber gloves
Respiratory protection Unnecessary in open institutional enviroment.
Hygiene measures Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

Eye/Face Protection Splash-proof chemical goggles or face shield.
Skin and body protection Impervious rubber, alkali-proof protecetive gloves Impervious rubber boots & apron.
Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures Practice good personal hygiene. Wash after handling. Shower at end of work period
Practice good personal hygiene. Wash after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid			
Appearance	Clear Liquid		**Odor**	Light odor
Color	Yellow	Tint	**Odor Threshold**	No information available

Property	Values	Remarks Methods
pH	11.9	No information available
Melting/freezing point	38 °F	No information available
Freezing Point	38	Freezing point °F (°F) DEGREES
No information available		**Boiling point/boiling range** 140 °C
No information available		**Flash Point**
No information available		**Evaporation rate**

No information available	**Flammability (solid, gas)**	
No information available	**Flammability Limits in Air**	
No information available	**upper flammability limit**	
	lower flammability limit	
	Explosion Limits	
	upper	
	lower	
	Vapor pressure	
No information available	**Vapor density**	
No information available	**Specific Gravity**	1.02
No information available	**Water solubility**	Completely soluble.
No information available	**Solubility in other solvents**	
No information available	**Partition coefficient: n-octanol/water**	
No information available	**Autoignition temperature**	
No information available	**Decomposition temperature**	
No information available	**Viscosity, kinematic**	
No information available	**Viscosity, dynamic**	

Explosive properties No information available
Oxidizing Properties No information available

9.2 Other information

Softening point No information available
Molecular Weight No information available
VOC Content(%) No information available
Density VALUE No information available
Bulk Density VALUE No information available

10. STABILITY AND REACTIVITY

Stability Stable

Incompatible products Acids Bleach

Conditions to Avoid Extremely high temperatures

Hazardous Decomposition Products Contact with Aluminum, Zinc, Magnesium, copper can create explosive.

Hazardous Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium hydroxide	214 mg/kg (Rat)		
Sodium silicate	1153 mg/kg (Rat)	4640 mg/kg (Rabbit)	

Dipropylene glycol monomethyl ether	5230 mg/kg (Rat)	9500 mg/kg (Rabbit)	
Benzenesulfonic acid, C10-16-alkyl derivatives	530 mg/kg (Rat)	530 mg/kg (Rat)	
Pentasodium triphosphate	3100 mg/kg (Rat)	7940 mg/kg (Rabbit)	

Chronic toxicity

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Potassium hydroxide		80: 96 h Gambusia affinis mg/L LC50 static		
Sodium silicate		301 - 478: 96 h Lepomis macrochirus mg/L LC50 3185: 96 h Brachydanio rerio mg/L LC50 semi-static		
Dipropylene glycol monomethyl ether		10000: 96 h Pimephales promelas mg/L LC50 static		
Benzenesulfonic acid, C10-16-alkyl derivatives		3: 96 h Oncorhynchus mykiss mg/L LC50 static		
Pentasodium triphosphate		1650: 48 h Leuciscus idus mg/L LC50		

Chemical Name	log Pow
Potassium hydroxide	0.83

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods For small spill: Hose down with cool water and dispose of product down the sanitary drain. For Large Spills: contain product in dike, collect and add collected product to cool water with constant stirring. Diluted product can now be neutralized to a pH of 7.0 using Muratic, HCL or phosphoric acid solutions and then disposed of down a sanitary drain.

Contaminated packaging Do not re-use empty containers

Chemical Name	California Hazardous Waste Status
Potassium hydroxide	Toxic Corrosive

14. TRANSPORT INFORMATION

Note NA1760, Corrosive Liquid, n.o.s., (contains potassium hydroxide), 8, PG II

Dot Regulated

Proper shipping name NA1760, Corrosive Liquid, n.o.s., (contains potassium hydroxide), 8, PG II

Hazard class 8

UN/ID No NA1760

Packing Group II

TDG	Not regulated
MEX	Not regulated
ICAO	Not regulated
ICAO/IATA	Not regulated
IMDG / IMO	Not regulated
RID	Not regulated
ADR/RID	Not regulated
ADN	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	TSCA
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	-
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

SARA TITLE III (EPCRA) NOTIFICATION: Does not contain chemicals subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and
Reauthorization Act of 1986.
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: POTASSIUM HYDROXIDE
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

SARA 311/312 Hazard Categories

Acute Health Hazard	no
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium hydroxide	1000 lb			X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Potassium hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Pentasodium triphosphate	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
Dipropylene glycol monomethyl ether		Mexico: TWA 100 ppm Mexico: TWA 60 mg/m³ Mexico: STEL 150 ppm Mexico: STEL 900 mg/m³

Canada

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

16. OTHER INFORMATION

Prepared By Swisher Hygiene Inc.
4725 Piedmont Row Drive
Suite 400
Charlotte, NC 28210

Issuing date 30-Aug-2011
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Revision Note No information available

Disclaimer

The information provided on this MSDS 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 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 process, unless specified in the text

End of Material Safety Data Sheet