



# SAFETY DATA SHEET

Issuing date 09-Nov-2011

Revision Date 20-Apr-2015

Version 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** Swisher Brassy Metal Cleaner

### Other means of identification

**Product Code** 41818  
**UN/ID No** UN1950  
**Document** 41818

### Recommended use of the chemical and restrictions on use

**Recommended use** Aerosol- Metal Cleaner & Polish

### Details of the supplier of the safety data sheet

#### **Distributor**

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

#### Emergency telephone number

**24 Hour Emergency Phone Number** CHEMTREC: 1-800-424-9300 (NORTH AMERICA)  
1-703-527-3887 (INTERNATIONAL)

**Company Phone Number** 800-444-4138

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
Flammable aerosols	Category 1

### Label elements

#### Emergency Overview

#### **Danger**

#### **Hazard Statements**

May cause an allergic skin reaction  
Extremely flammable aerosol



<b>Appearance</b> Aerosol Spray	<b>Physical state</b> Aerosol	<b>Odor</b> No information available
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**Precautionary Statements - Prevention**

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Pressurized container: Do not pierce or burn, even after use
- Do not spray on an open flame or other ignition source

**Precautionary Statements - Response**

- IF exposed or concerned: Get medical advice/attention
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other information**

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical Name	CAS-No	Weight-%	Trade Secret
Triethanolamine	102-71-6	1% - 2.5%	*
Propane	74-98-6	1% - 2.5%	*
Non-hazardous and other components below reportable levels	Proprietary	80% - 90%	*
N-Butane	106-97-8	2.5% - 10%	*
Extract, citrus	94266-47-4	2.5% - 10%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Flush with large amounts of running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.
<b>Skin contact</b>	Take off immediately all contaminated clothing. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

<b>Inhalation</b>	Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help.
<b>Ingestion</b>	Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.
<b>Protection of First-aiders</b>	Do not use mouth-to-mouth method 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.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms** The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Symptoms may be delayed.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water Fog, Foam, CO2 or Dry Chemical.

**Unsuitable Extinguishing Media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

**Hazardous Combustion Products** Carbon dioxide. Carbon monoxide.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**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. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Environmental precautions**

**Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak

is irreparable. Stop the flow of material, if this is without risk.

#### Methods for cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

#### Conditions for safe storage, including any incompatibilities

#### Technical measures/Storage conditions

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B).

#### Incompatible products

Strong oxidizing agents. Chlorine . Nitrates. Fluorine.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>	-	-
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
N-Butane 106-97-8	STEL: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>

NIOSH IDLH: *Immediately Dangerous to Life or Health*

### Appropriate engineering controls

#### Engineering Measures

Ensure adequate ventilation and that running water is available for washing eyes and skin

#### Individual protection measures, such as personal protective equipment

##### Eye/Face Protection

Splash-proof chemical goggles or face shield.

##### Skin and body protection

Wear appropriate chemical resistant clothing and chemical resistant gloves.

##### 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** Do not eat, drink or smoke when using this product. Practice good personal hygiene. Wash after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and chemical properties

<b>Physical state</b>	Aerosol	<b>Odor</b>	No information available
<b>Appearance</b>	Aerosol Spray	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>	No information available	
<b>Melting/freezing point</b>	No information available	
<b>Boiling point/boiling range</b>	95.83 °C / 204.5 °F	
<b>Flash Point</b>	-104.4 °C / -156 °F	Propellant
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	6.1 % estimated	
<b>Lower flammability limit</b>	0.7 % estimated	
<b>Vapor pressure</b>	23.47 psig @70F estimated	
<b>Vapor density</b>	> 1	
<b>Specific Gravity</b>	0.9803	Estimated
<b>Water solubility</b>	No information available	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	237 °C / 485.6 °F	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity, kinematic</b>	No information available	
<b>Viscosity, dynamic</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

### Other information

<b>Softening point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content(%)</b>	< 20%
<b>Density VALUE</b>	No information available
<b>Bulk Density VALUE</b>	No information available

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to Avoid

Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### Incompatible Materials

Strong oxidizing agents. Chlorine . Nitrates. Fluorine.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	May cause an allergic skin reaction
<b>Inhalation</b>	Intentional misuse by deliberately concentrating and inhaling contents may be harmful or

fatal. May cause central nervous system depression with nausea, headache, dizziness, and incoordination.

**Eye contact** May cause irritation.

**Skin contact** Prolonged skin contact may defat the skin and produce dermatitis. May be absorbed through the skin in harmful amounts.

**Ingestion** Components of the product may be absorbed into the body by ingestion. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Triethanolamine 102-71-6	= 4190 mg/kg ( Rat )	> 20 mL/kg ( Rabbit ) > 16 mL/kg ( Rat )	-
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** May cause allergic skin reaction.

**Mutagenic effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Triethanolamine 102-71-6	-	Group 3	-	-

*IARC: (International Agency for Research on Cancer)*

*Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic toxicity** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Aspiration hazard** No information available.

### Numerical measures of toxicity - Product Information

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Triethanolamine 102-71-6	216: 72 h Desmodesmus subspicatus mg/L EC50 169: 96 h Desmodesmus subspicatus mg/L EC50	10600 - 13000: 96 h Pimephales promelas mg/L LC50 flow-through 450 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 1000: 96 h Pimephales promelas mg/L LC50 static	-

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Triethanolamine 102-71-6	-2.53

Propane 74-98-6	2.3
N-Butane 106-97-8	2.89

**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment

**Waste Disposal Methods** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

**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. Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

### 14. TRANSPORT INFORMATION

**Note** This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

<b>DOT</b>	Regulated
<b>UN/ID No</b>	UN1950
<b>Proper shipping name</b>	Aerosols Flammable
<b>Hazard class</b>	2.1
<b>Special Provisions</b>	N82
<b>Emergency Response Guide Number</b>	126

### 15. REGULATORY INFORMATION

#### International Inventories

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

#### Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDL** - 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  
**IECS** - 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**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	Yes
<b>Reactive Hazard</b>	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).

#### **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.

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **U.S. State Right-to-Know Regulations**

This product contains substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Triethanolamine 102-71-6	X	-	X
Propane 74-98-6	X	X	X
N-Butane 106-97-8	X	X	X

#### **U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

### 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 4	<b>Instability</b> 0	<b>Physical and chemical hazards</b> -
<b>HMIS</b>	<b>Health hazard</b> 1	<b>Flammability</b> 4	<b>Physical Hazards</b> 0	<b>Personal protection</b> X

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

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**Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**