



MATERIAL SAFETY DATA SHEET

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BHI-016-450

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 1.1 MSDS Revision Date: 05/01/2009

1. PRODUCT IDENTIFICATION

1.1	Product Name: BISSELL STAINLESS STEEL CLEANER
1.2	Chemical Name: NA
1.3	Synonyms: BISSELL Stainless Steel Cleaner (0565)
1.4	Trade Names: BISSELL Stainless Steel Cleaner
1.5	Product Use: Surface Cleaner
1.6	Distributor's Name: BISSELL Homecare, Inc.
1.7	Distributor's Address: P.O. Box 1888, Grand Rapids, MI 49501 USA
1.8	Emergency Phone: PROSAR Product Safety +1 (866) 303-6951
1.9	Business Phone / Fax: Tel: +1 (616) 453-4451 / Fax: +1 (616) 453-1383

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC:1088 (2004) and ADG Code (Australia). In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this MSDS. Pressurized aerosol.						
2.2	Routes of Entry:	Inhalation:	YES	Absorption:	NO	Ingestion:	YES
2.3	Effects of Exposure: INGESTION: If swallowed, no significant adverse health effects are anticipated. Ingestion can cause a laxative effect. EYES: This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. SKIN: This product can cause mild, transient skin irritation with short-term exposure. INHALATION: Exposure may cause respiratory tract irritation in some sensitive individuals.						
2.4	Symptoms of Overexposure: INGESTION: Gastrointestinal discomfort, nausea, vomiting, and headache EYES: Mild irritation, redness, and watering. SKIN: Contact dermatitis, (rash), characterized by red, dry, itching skin. INHALATION: Vapors may be irritating to nose, throat and respiratory tract						
2.5	Acute Health Effects: INGESTION: Gastrointestinal irritation, nausea, and vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal. Can be fatal if inhaled or ingested. EYES: May cause irritation, redness and tearing. SKIN: Prolonged or repeated contact may cause contact dermatitis (localized redness or rash). INHALATION: Acute exposure may cause respiratory tract irritation in some sensitive individuals						
2.6	Chronic Health Effects: Prolonged or repeated contact may cause contact dermatitis (localized redness or rash).						
2.7	Target Organs: NA						
2.8	Toxicological Properties: See section 11.1						

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used
NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.



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3. COMPOSITION & INGREDIENT INFORMATION

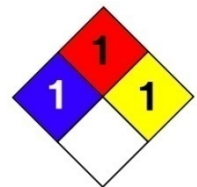
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)								
					ACGIH		NOHSC			OSHA			OTHER
					ppm		ppm			ppm			
TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH	NIOSH					
WATER	7732-18-5	ZC0110000	231-191-2	> 70.0	NE	NE	NF	NF	NF	NE	NE	NE	
ISOBUTANE	75-28-5	TZ4300000	200-857-2	≤ 15.0	1000	NE	NF	NF	NF	NE	NE	NE	
ISOPARAFFINIC HYDROCARBON	64742-74-9	NA	NA	≤ 10.0	NA	NA	NF	NF	NF	NA	NA	NA	
WHITE MINERAL OIL	8042-47-5	PY8047000	232-455-8	≤ 5.0	(5)	(10)	NF	NF	NF	(5)	NA	NA	
PROPANE	74-98-6	SE7545000	200-827-9	≤ 3.0	1000	NE	NF	NF	NF	1000	NE	2100	
FRAGRANCE	NA	NA	NA	≤ 0.1	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

4.1	First Aid: INGESTION: DO NOT INDUCE VOMITING. Contact PROSAR Product Safety Information Service at +1 (866) 303-6951 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. EYES: Flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek immediate medical attention. SKIN: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned. INHALATION: Remove victim to fresh air at once. If breathing is difficult, administer supplemental oxygen and seek immediate medical attention. If breathing stops, perform artificial respiration.
4.2	Medical Conditions Aggravated by Exposure: Persons with pre-existing skin disorders, eye problems, or impaired kidney function may be more susceptible to the effects of the substance.

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: Mixture: 135°C (275°F)
5.2	Autoignition Temperature: NA
5.3	Flammability Limits: Lower Explosive Limit (LEL): ND Upper Explosive Limit (UEL): ND
5.4	Fire & Explosion Hazards: Pressurized aerosol. Pressure in container can build up due to heat and may rupture if involved in a fire.
5.5	Extinguishing Methods: Foam, CO₂, Halon (where authorized) or Dry Chemical
5.6	Firefighting Procedures: Fight fires as for surrounding materials. Firefighters should wear a MSHA/NIOSH approved or equivalent self contained breathing apparatus (SCBA) and protective clothing. Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Cool containers with water spray to prevent pressure build-up, auto-ignition or explosion. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway.





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6. ACCIDENTAL RELEASE MEASURES

6.1 Spills:
Small Spills: Absorb and wipe up or rinse away with water.
Large Spills: Contain spilled product with sand or other absorbent material. Place in an appropriate container for disposal. Wash spilled area with water.
Spilled product may produce a slip hazard. Before cleaning any spill, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment including gloves, glasses and NIOSH approved (or equivalent) dust respirator. Wash all affected areas. Remove any contaminated clothing and wash thoroughly before eating.

7. HANDLING & STORAGE INFORMATION

7.1 Work & Hygiene Practices:
Use normal hygiene practices. Avoid breathing vapors. Avoid direct skin contact. Wash hands thoroughly after using this product and before eating, drinking, or smoking. Good personal hygiene practices, such as washing any skin contact areas and removing contaminated clothing, are recommended.

7.2 Storage & Handling:
Keep away from sources of heat. Do not store above 48.8°C (120°F).

7.3 Special Precautions:
Follow all instructions on product label. Keep container closed when not in use. Keep this and all chemicals out of reach of children. Contents under pressure - do not puncture or incinerate.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Ventilation & Engineering Controls:
Not required under normal conditions of use. Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation).

8.2 Respiratory Protection:
Not required under normal conditions of use.

8.3 Eye Protection:
Protective eyewear that conforms to ANSI Z87.1 (or other applicable and appropriate standards) should be used when handling this product.

8.4 Hand Protection:
Not required under normal conditions of use. Use gloves constructed of chemical resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected.

8.5 Body Protection:
Not required under normal conditions of use. Use appropriate protective equipment (e.g., apron) as necessary to prevent or reduce exposure if frequent or prolonged contact is expected.

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1
SPECIAL EQUIPMENT	B
EYES	
SKIN	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.96 – 0.97 @ 25°C (77°F)
9.2	Boiling Point:	100°C (212°F) @ 760 mm Hg
9.3	Melting Point:	NA
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	46 psig (propellant)
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	White viscous emulsion
9.8	Odor Threshold:	Lemon scent
9.9	Solubility:	Negligible
9.10	pH	NA
9.11	Viscosity:	NA
9.12	Other Information:	NA



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10. STABILITY & REACTIVITY

10.1	Stability: Stable under normal conditions of use.
10.2	Hazardous Decomposition Products: None known.
10.3	Hazardous Polymerization: Will not occur.
10.4	Conditions to Avoid: Strong oxidizers.
10.5	Incompatible Substances: Strong oxidizing agents, strong acids and bases.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: Isobutane: LC₅₀ (inhalation, rat) = 658 mg/L; Propane: LC₅₀ (inhalation, rat) = 658 mg/L; Mixture: LD₅₀ (oral, rat) > 5 g/kg, LC₅₀ (inhalation, rat) > 20 mg/L-1 hr. This product is neither a primary eye nor primary skin irritant per Federal Hazardous Substances Act (FHSA) regulations.
11.2	Acute Toxicity: See section 2.5
11.3	Chronic Toxicity: See section 2.6
11.4	Suspected Carcinogen: No
11.5	Reproductive Toxicity: This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity: This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity: This product is not reported to produce teratogenic effects in humans.
	Reproductive Toxicity: This product is not reported to produce reproductive effects in humans.
11.6	Irritancy of Product: See section 2.3
11.7	Biological Exposure Indices: ND
11.8	Physician Recommendations: Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: NA
12.2	Effect on Plants & Animals: NA
12.3	Effect on Aquatic Life: Product is expected to rapidly disperse in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: Dispose of in accordance with federal, state & provincial hazardous waste laws.
13.2	Special Considerations: NA



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14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, TDGR, SCT and ADGR.

14.1	49 CFR (GND): CONSUMER COMMODITY, ORM-D
14.2	IATA (AIR): ID8000, CONSUMER COMMODITY, 9
14.3	IMDG (OCN): UN1950, AEROSOLS, 2.1, LTD QTY
14.4	TDGR (Canadian GND): LIMITED QUANTITY / QUANTITÉ LIMITÉE
14.5	ADR/RID (EU): UN1950, AEROSOLS, 2.1, LTD QTY, ADR
14.6	MEXICO (SCT): UN1950, AEROSOLS, 2.1, CANTIDAD LIMITADA
14.7	ADGR (AUS): UN1950, AEROSOLS, 2.1, LTD QTY



15. REGULATORY INFORMATION

15.1	U.S. EPA SARA Reporting Requirements: NA	
15.2	U.S. EPA SARA Threshold Planning Quantity: TPQ (isobutane) = 10,000 lb (4,535 kg); TPQ (propane) = 10,000 lb (4,535 kg)	
15.3	U.S. EPA TSCA Inventory Status: All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.	
15.4	U.S. EPA CERCLA Reportable Quantity (RQ): NA	
15.5	Other U.S. Federal Requirements: Isobutane and Propane are listed under the accident prevention provisions of section 112(r) of the Clean Air Act (CAA) with a threshold quantity (TQ) of 10,000 lb (4,535 kg). This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.	
15.6	Other Regulations Class D2B (other toxic effects - for surfactants). This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components in this product are listed on the Priorities Substances List.	
15.7	U.S. State Regulatory Information: Isobutane is found on the following state right to know lists: Pennsylvania, Massachusetts, and New Jersey. None of the components in this product are listed on the California Prop 65 lists.	
15.8	67/548/EEC (European Union) and Australia NOHSC:2011 (2003) Requirements: None of the components in this product are listed in Annex I of EU Directive 67/548/EEC. Flammable (F): R: 10 – Flammable S: 2-9-16-33 - Keep out of reach of children. Keep container in well-ventilated place. Keep away from sources of ignition – NO SMOKING. Take precautionary measures against static discharges. Poisons Schedule Number: None Allocated. HazChem Code: 2[Y]	



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16. OTHER INFORMATION

16.1	Other Information: CAUTION - may be slippery if spilled.		
16.2	Terms & Definitions: Please see last page of this MSDS.		
16.3	Disclaimer: This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & BISSELL's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.		
16.4	<table border="0"> <tr> <td data-bbox="142 621 571 816"> Prepared for: BISSELL Homecare, Inc. 2345 Walker Ave NW P.O. Box 1888 Grand Rapids, MI 49544 USA Tel: +1 (616) 453-4451 Fax: +1 (616) 453-1383 http://www.bissell.com/ </td> <td data-bbox="571 621 1563 816" style="text-align: center;">  </td> </tr> </table>	Prepared for: BISSELL Homecare, Inc. 2345 Walker Ave NW P.O. Box 1888 Grand Rapids, MI 49544 USA Tel: +1 (616) 453-4451 Fax: +1 (616) 453-1383 http://www.bissell.com/	
Prepared for: BISSELL Homecare, Inc. 2345 Walker Ave NW P.O. Box 1888 Grand Rapids, MI 49544 USA Tel: +1 (616) 453-4451 Fax: +1 (616) 453-1383 http://www.bissell.com/			
16.5	<table border="0"> <tr> <td data-bbox="142 816 571 989"> Prepared by: ShipMate, Inc. Post Office Box 787 Sisters, OR 97759 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com/ </td> <td data-bbox="571 816 1563 989" style="text-align: center;">  </td> </tr> </table>	Prepared by: ShipMate, Inc. Post Office Box 787 Sisters, OR 97759 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com/	
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DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
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EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
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HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for special handling directions.

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

FLAMMABILITY LIMITS IN AIR:

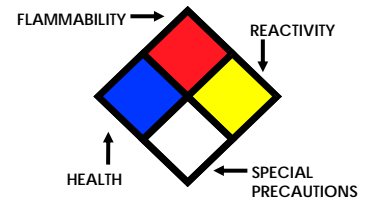
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
NF	Not Found
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₁₀	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD₁₀, LD₁₀, & LD₀₁ or TC, TC₀₁, LC₁₀, & LC₀₁	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{ow} or log K_{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

CPR	Canada's Controlled Product Regulations
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
EU	European Union (European Union Directive 67/548/EEC)
DSL	Canadian Domestic Substance List
MAK	Mandat und die Arbeitsweise der Kommission (Work Area Commission)
NDSL	Canadian Non-Domestic Substance List
NOHSC	National Occupational Health & Safety Code (Australia)
PSL	Canadian Priority Substances List
TC	Transport Canada
TSCA	U.S. Toxic Substance Control Act
WHMIS	Canadian Workplace Hazardous Material Information System

EC INFORMATION:

C	E	F	N	O	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

WHMIS INFORMATION:

A	B	C	D1	D2	D3	E	F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive