

**Flitz Stainless Steel & Chrome Cleaner with Degreaser**



**Safety Data Sheet**

**Issue Date:** 10/20/20

**Supersedes Date:** 01/05/15

**SECTION 1: Identification**

**1.1. Product identifier**

Flitz Stainless Steel & Chrome Cleaner with Degreaser

**Product Identification Numbers**

ID Numbers

SP01501-24, SP01502, SP01506, SP01510

**1.2. Recommended use and restrictions on use**

**Recommended use**

Hand-applied cleaner, Residential or Industrial use

**1.3. Supplier's details**

<b>MANUFACTURER</b>	Flitz International Ltd.	
<b>ADDRESS:</b>	821 Mohr Ave., Waterford, WI	53185, USA
<b>Telephone:</b>	262-534-5898	

**1.4. Emergency telephone number: 262-534-5898**

**SECTION 2: Hazard identification**

**2.1. Hazard classification**

29 CFR Part 1910.1200

This mixture is classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

Classification of the substance or mixture:

Corrosive to Metals - Category 1

Eye Damage - H318 Causes serious eye damage/Irritation Category 1

Acute Toxicity - Category 1

**2.2. Label elements Signal word: DANGER**

**Symbols:**



GS05



GHS07

**Hazard Statements**

May be Corrosive to Metals

Causes Serious Eye Damage

Harmful or fatal if swallowed

### SECTION 3: Composition/information on ingredients

Ingredient	CAS. #	% by Wt
Proprietary Surfactant blend		98
2-Butoxyethanol	111-76-2	

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information:**

Take off contaminated clothing and wash before reuse.

**Inhalation:**

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

**Skin Contact:**

Immediately flush with mild soap and water for 15 minutes.

**Eye Contact:**

Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.

**If Swallowed:**

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. If symptoms persist, seek medical advice.

#### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3. Indication of any immediate medical attention and special treatment required

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media: Carbon dioxide (CO2) Dry extinguishing powder. alcohol resistant foam. Atomized water.

Use a fire-fighting agent suitable for the surrounding fire.

**Extinguishing media that must not be used:** None.

#### 5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO2), oxides of phosphorous.

#### 5.3. Special protective actions for fire-fighters

Use self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings. First residues and contaminated fire-fighting water must be disposed of in accordance with local regulations.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Avoid release to the environment. Do not discharge into drains/ surface waters/ groundwater.

#### 6.3. Methods and material for containment and cleaning up

Dilute with water and rinse into sanitary sewer system or absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Dispose of absorbed material in accordance with regulations.

**6.4 Reference to other sections:** See Sections 7, 8 & 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Wear suitable protective clothing. (See section 8.)
- Usual measures for fire prevention.
- General protection and hygiene measures: refer to chapter 8

### 7.2. Conditions for safe storage including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feeding stuff.
- Keep the packing dry and well-sealed to prevent contamination and absorption of humidity.  
Recommended storage temperature: 20°C
- Protect against: Light. UV-radiation/sunlight. heat. Moisture.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit:

Exposure limit values:

	OSHA PEL	ACGIH RLV
2 = butoxy ethanol	TWA 50ppm (240 mg/m <sup>3</sup> )	22 ppm (97 mg/m <sup>3</sup> ) 5mg/m <sup>3</sup>

### 8.2. Exposure controls

Exposure controls. Additional advice on system design.	No special measures are necessary.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	In case of prolonged or frequently repeated skin contact: Wear suitable gloves. Suitable material: FKM (fluororubber). – Thickness: 0.4 mm Breakthrough time >= 8 h Butyl rubber. - Thickness 0.5 mm Breakthrough time >= 8 h CR (polychloroprenes, Chloroprene rubber). - Thickness 0.5 mm Breakthrough time >= 8 h NBR (Nitrile rubber). - Thickness 0.35 mm Breakthrough time >= 8 h PVC (Polyvinyl chloride) - Thickness 0.5 mm Breakthrough time >= 8 h The selected protective gloves should satisfy the specifications of standards like EN 374. Before using check leak tightness/impermeability. In the case of reuse, clean them before taking off and air them out well.
Skin protection/other	Protective clothing.
Respiratory protection	With correct and proper use, and under normal conditions, breathing protection is not required.
Thermal hazards	none
Delimitation and monitoring the environmental exposition.	No special precautionary measures are necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Form	Liquid
Color	None
Odor	Characteristic
Odor Threshold	Not required
pH Value	9.0
pH Value 1%	Not determined
Boiling Point	100°C/212°F
Flash Point	Does not ignite
Flammability (solid, gas)	Not applicable
Lower & Upper exposure limits	Not determined
Oxidizing properties	No
Vapor pressure/Gas pressure [KPa]	Not determined
Density [g/ml]	not determined
Bulk Density	8.4lbs/gal
Solubility in water	Solubility (100% in water)
Partition coefficient [n-octanol/water]	Not Determined
Viscosity	not determined
Relative vapor density determined in air	Not determined
Evaporation speed	Not determined
Melting point	Not applicable
Autoignition temperature	Not self-igniting
Decomposition temperature	Not determined
Other information	None

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known if used as directed

### 10.2. Chemical stability

The product is stable under standard conditions

### 10.3. Possibility of hazardous reactions

Will not occur

### 10.4. Conditions to avoid

None known

### 10.5. Incompatible materials

Materials to avoid: Oxidizing agent, strong. Reducing agents, strong.

### 10.6. Hazardous decomposition products

#### Substance

CO, CO<sub>2</sub>; Oxides of phosphorous may occur.

#### Condition

In case of fire.

**SECTION 11: Toxicological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

**11.1. Information on Toxicological effects**

**Acute Toxicity:** Oral LD50 (rat) >5 g/kg body weight.  
 Dermal LD50 (rabbit) >5 g/kg body weight.

<b>Serious eye damage/irritation</b>	May cause irritation.
<b>Skin corrosion/irritation</b>	May cause irritation.
<b>Respiratory or skin sensitization</b>	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Specific target organ toxicity – single exposure</b>	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Specific target organ toxicity – repeated exposure</b>	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Mutagenicity</b>	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Reproduction toxicity</b>	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Carcinogenicity</b>	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
<b>Aspiration Hazards</b>	Based on the available information, the classification criteria are not fulfilled.
<b>General Remarks</b>	Frequent persistent contact with skin can cause skin irritation.

**SECTION 12: Ecological information**

- 12.1 **Chronic Toxicity** Product has not been tested
- 12.2 **Persistence and degradability** Readily biodegradable per OECD 301D, closed bottle test.
- 12.3 **Bio accumulative potential** Accumulation in organism is not expected
- 12.4 **Mobility in soil** No data available
- 12.5 **Results of PBT & vPvB assess.** Based on all available information not to be classified as PBT or vPvB respectively.
- 12.6 **Other adverse effects** None known. Do not allow to enter into surface water or drains.

**Environmental Hazard: Low, based on toxicology profile**

**SECTION 13: Disposal considerations**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product: Dispose in accordance with the regulations of local authorities  
 Contaminated packaging: Packaging that cannot be cleaned should be disposed of as for product.  
 Uncontaminated packaging may be taken for recycling.

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### SECTION 14: Transport Information

US DOT 49 C FR 172.101

Proper shipping name: Not a hazardous material with respect to these transport regulations.

Not controlled under US DOT

#### 14.1 UN Number

Transport by land according to AOR/RIO	not applicable
Inland navigation (AON)	not applicable
Marine transport in accordance with IMO	not applicable
Air transport in accordance with IATA	not applicable

#### 14.2 UN proper shipping name

Transport by land according to AOR/RIO	Detergent Solution
Inland navigation (AON)	NO DANGEROUS GOODS
Marine transport in accordance with IMO	"NO DANGEROUS GOODS"
Air transport in accordance with IATA	"NO DANGEROUS GOODS"

#### 14.3 Transport hazard class (es)

Transport by land according to AOR/RIO	not applicable
Inland navigation (AON)	not applicable
Marine transport in accordance with IMO	not applicable
Air transport in accordance with IATA	not applicable

#### 14.4. Packaging group

Transport by land according to AOR/RIO	not applicable
Inland navigation (AON)	not applicable
Marine transport in accordance with IMO	not applicable
Air transport in accordance with IATA	not applicable

#### 14.5. Environmental hazards

Transport by land according to AOR/RIO	no
Inland navigation (AON)	no
Marine transport in accordance with IMO	no
Air transport in accordance with IATA	no

14.6 Special precaution for user relevant information under SECTION 6 to 8

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Title III:** 2-butoxy ethanol is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 as Category N230-Certain Glycol Ethers

**WHMIS Classification:** Class D - Division 2B, eye irritant.

**OSHA & WHMIS:** SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

#### Environmental Regulatory Lists:

**SARA:** Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of the ingredients are listed.

**Toxic Substances Control Act (TSCA):** All the ingredients are listed on the Chemical Substance Inventory

**Canadian Domestic Substance List (DSL):** All ingredients are listed.

#### INTERNATIONAL INVENTORY LISTINGS:

Components in this product are listed on the: Australian AICS

## SECTION 16: Other information

### 16.1 Hazard statements (section 03)

Hazardous Materials Information Label (HMIS)

Health: 1

Flammability: 0

Physical Hazard: 0

NFPA Hazard Ratings

Health: 1

Flammability: 0

Reactivity: 0

Unique Hazard: -

### 16.2 Abbreviations and acronyms

ADR = Accord europeen relatif au transport international des marchandises Dangereuses par Route

RID = Reglement concernant le transport international ferroviaire de marchandises dangereuses

AON = Accord europeen relatif au transport international des marchandises dangereuses par voie de navigation interieure

ATE= acute toxicity estimate

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

DMEL = Derived Minimum Effect Level

DNEL = Derived No Effect Level

EC50 = Median effective concentration

ECB = European Chemicals Bureau

ECB= European Chemical Bureau

EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified Chemical Substances

## Flitz Stainless Steel & Chrome Cleaner with Degreaser

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**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**