



## MATERIAL SAFETY DATA SHEET

### Section 1 Product Identification

1.1	Product Name Stain Remover
1.2	Chemical Name Rugs Stain Remover (Art 42382)
1.3	Article number and barcode 30168179 5053963466050
1.4	
1.5	Product use Cleaning
1.6	Supplier's
1.7	Supplier's Address
1.8	Emergency Phone 0151 422 1000 (ZEP)
1.9	Other

### Section 2 Hazard Identification

2.1	Hazard Identification: Eye Irrit. 2 H319			
2.2	Routes of entry	Inhalation	Absorption	Ingestion
2.3	Effects of exposure Ingestion: NA Eyes: None under normal use; If in eyes causes serious eye irritation Skin: Inhalation:			
2.4	Symptoms of Over exposure Ingestion: Eyes: If in eyes causes serious eye irritation Skin: Inhalation:			
2.5	Acute Health Effects Ingestion: Eyes: If in eyes causes serious eye irritation Skin: Inhalation:			
2.6	Chronic Health Effects			
2.7	Target organs; eyes - irritant			
2.8	Toxicological Properties; Oral LD50 >2000mg/kg (RAT)			
NA= Not Available ND= Not Determined NE= Not Established NF = Not Found C= Ceiling Limit				



# MATERIAL SAFETY DATA SHEET

## Section 3 Composition & Ingredient Information

Chemical Name(s)	CAS No.	RTECs No.	EINECS No.	%	Exposure Limits in Air (mg/m <sup>2</sup> )								
					ACGIH		NOHSC			OSHA			Other
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH	
Butanedioic acid, sulfo- C-(2-coco amidoethyl) esters, disodium salts	68784-08-7		272-219-1	1-2.5 %									
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7		271-557-7	1-2.5 %									

## Section 4 First Aid Measures

4.1	<p>Frist Aid:</p> <p>Ingestion; if symptoms persist consult a doctor</p> <p>Eyes; Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.</p> <p>Skin</p> <p>Inhalation; No special measures</p>
4.2	Medical Conditions aggravated by expose:

## 5. Firefighting Measures

5.1	Flashpoint & method: Not applicable			
5.2	Auto-ignition Temperature: Not self-igniting			
5.3	Flammability limits NA	Lower explosive limit (LEL) ND		Upper explosive limit (UEL) ND
5.4	Extinguishing methods: CO <sub>2</sub> , powder or water spray			
5.5	Firefighting Procedures: Fight larger fires with water spray or alcohol resistant foam			
Additional information: No special measures required;				



## MATERIAL SAFETY DATA SHEET

### Section 6. Accidental release measures

6.1	Spills: Absorb with liquid binding material (sand, diatome, acid binders, universal binders, sawdust)
6.2	Any other forms of release: NA

### Section 7. Handling & storage information

7.1	Work & Hygiene practices: No special measures required
7.2	Storage & handling: No special measures required
7.3	Special precautions: No special measures required
7.4	Additional information:

### Section 8. Exposure controls & personal protection

8.1	Ventilation & engineering controls: Usual ventilation	
8.2	Respiratory protection; no special measures required	
8.3	Eye protection; Recommend use of goggles when refilling	
8.4	Hand protection; no special measures required	
8.5	Body protection; no special measures required	
	<b>HEALTH</b>	
	<b>FLAMMABILITY</b>	
	<b>PHYSICAL HAZARDS</b>	
	<b>SPECIAL EQUIPMENT</b>	



## MATERIAL SAFETY DATA SHEET

### Section 9. Physical & chemical properties

9.1	Density	1.1 g/cm <sup>3</sup> at 20 degrees C
9.2	Boiling point	100 degrees C
9.3	Melting point	ND
9.4	Evaporation rate	ND
9.5	Vapour pressure	23 hPa
9.6	Molecular weight	NA
9.7	Appearance & colour	Clear liquid
9.8	Odour threshold	ND
9.9	Solubility	Fully miscible
9.10	pH	7 at 20 degrees C
9.11	Viscosity	ND
9.12	Other information	


### Section 10. Stability & reactivity

10.1	Stability; ND
10.2	Hazardous Decomposition products; No dangerous decomposition products known
10.3	Hazardous polymerization; ND
10.4	Conditions to avoid; NA
10.5	Incompatible substances; NA

### Section 11. toxicological information

11.1	Toxicity data: 68585-47-7 Sulphuric acid, mono-C10-16 alkyl esters, sodium salts Mixture:	
11.2	Acute toxicity; Oral LD50 >2000mg/kg (Rat)	
11.3	Chronic toxicity NA	
11.4	Suspected toxicity; NA	
11.5	Reproductive toxicity; NA	
	Mutagenicity	
	Embryo toxicity	
	Teratogenicity	
	Reproductive toxicity	

11.6	Irritancy of product; Skin-irritant to skin and mucus membranes; Eye – strong irritant with the danger of severe eye injury
11.7	Biological exposure indices
11.8	Physician recommendations
11.9	Additional information; Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Section 12. Ecological information</b>	

12.1	Environmental stability; Biodegradable
12.2	Effect on plants & animals; NA
12.3	Effect on aquatic life; NA

<b>Section 13. Disposal consideration</b>
-------------------------------------------

13.1	Waste Disposal; Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. Smaller quantities can be disposed of with household waste
13.2	Special Considerations; Uncleaned packaging – disposal must be made according to official regulations

<b>Section 14. Transportation information</b>
-----------------------------------------------

The basic description (ID number, proper shipping name, hazard class & division, packing group) is shown for each mode of transport. Additional descriptive information may be required by 49 CFR. IATA/ICAO, IMDG, TDGR, SCT and ADGR	
14.1	49 CFR (GND) : Void
14.2	IATA (AIR): Void
14.3	IMDG (OCN): Void
14.4	TDGR (Canadian GND); Void
14.5	ADR/RID (EU); No
14.6	Mexico (SCT): Not applicable
14.7	ADGR (AUS): Not applicable

<b>Section 15. regulatory information</b>
-------------------------------------------

15.1	U.S EPA SARA reporting requirements: Water hazard class 2 (self-assessment): hazardous for water
15.2	U.S EPA SARA Threshold planning quantity
15.3	U.S EPA TSCA Inventory Status

15.4	U.S EPA CERCLA reportable quantity (RQ)
15.5	Other U.S Federal Requirements
15.6	Other regulations
15.7	U.S State regulatory Information
15.8	67/548/EEC (European Union) and Australia NOHSC:2011 (2003) requirements

	<b>MATERIAL SAFETY DATA SHEET</b>
-----------------------------------------------------------------------------------	-----------------------------------

<b>Section 16. Other information</b>
--------------------------------------

16.1	Other information: H315 causes skin irritation, H318 Causes serious eye damage, H319 Causes serious eye irritation, R36/38 Irritating to eyes and skin, R38 Irritating to skin, R41 Risk of serious damage to eyes
16.2	Terms & definitions: Please refer to last page.
16.3	Disclaimers:
16.4	Prepared for:
16.5	Company full address:



## MATERIAL SAFETY DATA SHEET

### Definitions of terms

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

#### General information

**CAS No.** Chemical abstract service number

#### Exposure limits in the 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

#### Frist 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.

#### Hazardous materials identification systems: HMISH

##### Health, Flammability & reactivity ratings

0	Minimal Hazard		Hazard rating
1	Slight Hazard	<b>HEALTH</b>	
2	Moderate Hazard	<b>FLAMMABILITY</b>	
3	Severe Hazard	<b>PHYSICAL HAZARDS</b>	
4	Extreme Hazard	Personal Protection	

#### Personal Protection Ratings:

<b>A</b>		<b>G</b>	  
<b>B</b>	 	<b>H</b>	   
<b>C</b>	  	<b>I</b>	  

D		J	
E		K	
F		X	Consult your supervisor or S.O.P for special handling directions.

	<b>MATERIAL SAFETY DATA SHEET</b>
<b>Definitions of terms</b>	

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

**Personal Protection ratings:**

Safety glasses	Gloves	Face shield & eye protection	Splash goggles	Synthetic Apron	Full suit	Boots	Airline Hood/mask	Full face respirator	Vapor respirator	Dust & vapor respirator
		Note: The dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.								

<b>Flammability limits in air</b>	
<b>Auto ignition temperature</b>	Minimum temperature required to initiate combustion in air with no other source of ignition.
<b>LEL</b>	Lower explosive limit- lowest percent of vapour in air, by volume that will explode or ignite in the presence of an ignition source.
<b>UEL</b>	Upper explosive limit- highest percent of vapour in air, by volume, that will explode or ignite in the presence of an ignition source.

<b>Other Standard abbreviations:</b>	
<b>NA</b>	Not available
<b>NR</b>	No results
<b>NE</b>	Not established
<b>NF</b>	Not found
<b>ND</b>	Not determined
<b>ML</b>	Maximum limit
<b>SCBA</b>	Self- contained breathing apparatus





## MATERIAL SAFETY DATA SHEET

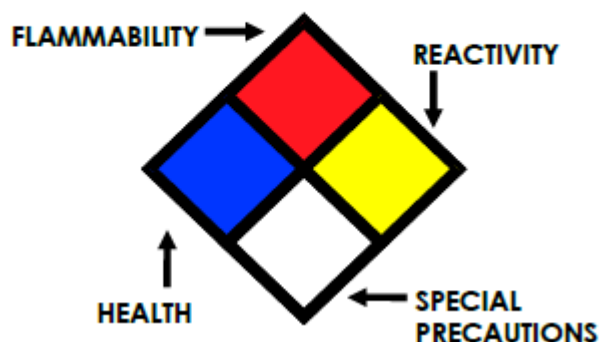
### Definitions of terms

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

#### National fire protection association: NFPA

##### Hazard ratings

<b>0</b>	Minimal Hazard
<b>1</b>	Slight Hazard
<b>2</b>	Moderate Hazard
<b>3</b>	Severe Hazard
<b>4</b>	Extreme Hazard
<b>ACD</b>	Acidic
<b>ALK</b>	Alkaline
<b>COR</b>	Corrosive
<b>W_</b>	Use no water
<b>OX</b>	Oxidizer



#### Toxicological information

<b>LD 50</b>	Lethal dose (solids & liquids) which kills 50% of the exposed animals
<b>LC 50</b>	Lethal concentration (gases) which kills 50% of the exposed animals
<b>ppm</b>	Concentration expressed in parts of material per million parts
<b>TD 10</b>	Lowest dose to cause a symptom
<b>TCLo</b>	Lowest concentration to cause a symptom
<b>TD10, LD10 &amp; LD0 or TC, TC0, LC10, &amp; LC0</b>	Lowest dose (or Concentration) to cause lethal or toxic effects
<b>IARC</b>	International agency for research on cancer
<b>NTP</b>	National toxicology program
<b>RTECS</b>	Registry of toxic effect chemical substances
<b>BCF</b>	Bio concentration factor
<b>TLm</b>	Median threshold limit
<b>Log K<sub>ow</sub> or Log K<sub>oc</sub></b>	Coefficient of oil/water distribution



## MATERIAL SAFETY DATA SHEET









### Definitions of terms

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









#### Regulatory information

<b>CPR</b>	Canada's controlled product regulations
<b>DOT</b>	U.S. Department of transport
<b>EPA</b>	U.S Environmental protection agency
<b>EU</b>	European Union (European union directive 67/548/EEC)
<b>DSL</b>	Canadian domestic substance list
<b>MAK</b>	Mandat und die arbeitsweise der commission (work ares commission)
<b>NDSL</b>	Canadian non- domestic substance list
<b>NOHSC</b>	National occupational health & safety code (Australia)
<b>PSL</b>	Canadian Priority substances list
<b>TC</b>	Transport Canada
<b>TSCA</b>	U.S toxic substance control act
<b>WHMIS</b>	Canadian workplace hazardous material information system

#### EC Information

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

#### WHMIS Information

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