



## GAP PROFESSIONAL PRODUCTS

### Safety Data Sheet Stain Plus

#### SECTION 1: Identification

##### 1.1 Product identifier

Product name Stain Plus

Product number 5528

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

Cleaner Degreaser / Detergent

##### 1.4 Supplier's details

Name GAP Professional Products  
Address 122 Route 105  
Keswick Ridge, NB E6L 1B1  
Canada

Telephone (506) 363-9708  
Fax (506) 363-4241  
email info@gapauto.com

##### 1.5 Emergency phone number(s)

For Medical or Transport Emergencies/  
Pour les urgences médicales ou de transport  
CANUTEC (24 Hours/Heures)  
(613) 996-6666

#### SECTION 2: Hazard identification

##### 2.1 Classification of the substance or mixture

###### GHS classification in accordance with: (CA) WHMIS 2015

- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1

## Safety Data Sheet Stain Plus

### 2.2 GHS label elements, including precautionary statements

#### Pictogram



1. Exclamation mark

#### Signal word

#### Warning

#### Hazard statement(s)

H315

Causes skin irritation

H317

May cause an allergic skin reaction

H319

Causes serious eye irritation

#### Precautionary statement(s)

P261

Avoid breathing dust/fume/gas/mist/vapors/spray.

P264

Wash ... thoroughly after handling.

P272

Contaminated work clothing must not be allowed out of the workplace.

P280

Wear eye protection/face protection.

P280

Wear protective gloves.

P302+P352

IF ON SKIN: Wash with plenty of water/...

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P321

Specific treatment (see ... on this label).

P332+P313

If skin irritation occurs: Get medical advice/attention.

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

P363

Wash contaminated clothing before reuse.

P501

Dispose of contents/container to ...

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

Component	Concentration
<b>Diethylene glycol butyl ether (CAS no.: 112-34-5; EC no.: 203-961-6; Index no.: 603-096-00-8)</b>	<b>5 - 10 % (weight)</b>
CLASSIFICATIONS: Serious eye damage/eye irritation, Cat. 2. HAZARDS: H319 - Causes serious eye irritation.	
<b>2-Butoxyethanol (CAS no.: 111-76-2; EC no.: 203-905-0; Index no.: 603-014-00-0)</b>	<b>1 - 5 % (weight)</b>
CLASSIFICATIONS: Skin corrosion/irritation, Cat. 2; Serious eye damage/eye irritation, Cat. 2; Acute toxicity, dermal, Cat. 4; Acute toxicity, inhalation, Cat. 4; Acute toxicity, oral, Cat. 4. HAZARDS: H302 - Harmful if swallowed; H312 - Harmful in contact with skin; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H332 - Harmful if inhaled.	
<b>D-limonene (CAS no.: 5989-27-5; EC no.: 227-813-5)</b>	<b>1 - 5 % (weight)</b>
CLASSIFICATIONS: Aspiration hazard, Cat. 1; Flammable liquids, Cat. 3; Hazardous to the aquatic environment - acute hazard, Cat. 1; Hazardous to the aquatic environment - long-term hazard, Cat. 1; Sensitization, skin, Cat. 1; Skin corrosion/irritation, Cat. 2. HAZARDS: H226 - Flammable liquid and vapor; H304 - May be fatal if swallowed and enters airways; H315 - Causes skin irritation; H317 - May cause an allergic skin reaction; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects.	
<b>Sodium hypochlorite solution (4-6% cl2) (CAS no.: 7681-52-9; EC no.: 231-668-3; Index no.: 017-011-00-1)</b>	<b>Not specified</b>

# Safety Data Sheet

## Stain Plus

CLASSIFICATIONS: Skin corrosion/irritation, Cat. 1B; Hazardous to the aquatic environment, short-term (acute), Cat. 1. HAZARDS: H314 - Causes severe skin burns and eye damage; H400 - Very toxic to aquatic life.

### SECTION 4: First-aid measures

#### 4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention
In case of skin contact	Immediately flush skin with lots of running water for at least 30 minutes. Remove contaminated clothing and shoes. Wash before reuse. Get medical attention if symptoms occur.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

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

No data available.

### SECTION 5: Fire-fighting measures

#### 5.1 Suitable extinguishing media

Not considered a fire hazard. Use extinguishing media appropriate for surrounding fire.

#### 5.2 Specific hazards arising from the chemical

No specific fire or explosion hazard.

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D-Limonene: Carbon oxides

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

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

#### Further information

Use water spray to cool unopened containers.

### SECTION 6: Accidental release measures

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

## Safety Data Sheet Stain Plus

Wear respiratory protection if necessary. Avoid breathing gas, mist, vapors, spray. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

### 6.2 Environmental precautions

Do not let concentrated product enter drains.

### 6.3 Methods and materials for containment and cleaning up

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent.

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. material and place into containers for later disposal. Dispose in suitable waste container.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Put on appropriate personal equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling.

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

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials(see Section 10) and food and drink. Do not store under freezing conditions or above 49 C (120 F). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of reach from children.

#### Specific end use(s)

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 1. Diethylene glycol butyl ether (CAS: 112-34-5 EC: 203-961-6)

TLV®: 10 ppm; USA (ACGIH)

Liver effects, Kidney effects, Hematologic effects, 2014 Adoption

#### 2. 2-Butoxyethanol (CAS: 111-76-2 EC: 203-905-0)

PEL (Inhalation): 50 ppm (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 240 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 20 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 5 ppm (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 20 ppm

97 mg/m<sup>3</sup>

## Safety Data Sheet Stain Plus

California permissible exposure limits for chemical contaminants  
(Title 8, Article 107)/Skin

TWA (Inhalation): 50 ppm

240 mg/m<sup>3</sup>; USA (OSHA)

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air  
Contaminants/Skin designation

The value in mg/m<sup>3</sup> is approximate

TWA (Inhalation): 5 ppm

24 mg/m<sup>3</sup>; USA (NIOSH)

USA. NIOSH Recommended Exposure Limits/Potential for dermal absorption

TWA (Inhalation): 20 ppm; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation Eye irritation Substances for which there is a  
Biological Exposure Index or Indices (see BEI<sup>®</sup> section) Confirmed animal carcinogen with unknown relevance to humans

TLV<sup>®</sup> (Inhalation): 20 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

### 3. D-limonene (CAS: 5989-27-5 EC: 227-813-5)

TLV<sup>®</sup> (Inhalation): 20 ppm (ACGIH)

## 8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.  
Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible  
exposure limits where mists or vapors may be generated.

## 8.3 Individual protection measures, such as personal protective equipment (PPE)

### Eye/face protection

Recommended: Chemical splash goggles Ensure that eyewash stations and/or safety showers are close to the workstation  
location if working with concentrated product.

### Skin protection

Recommended: Chemical-resistant gloves. Neoprene Nitrile

### Respiratory protection

Recommended: Dust mask or Respirator should be worn if product is used in confined space or used for a prolonged period of  
time.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Green liquid
Odor	Mild detergent
Odor threshold	N/D
pH	8.5 - 9
Melting point/freezing point	0°C (32°F)
Initial boiling point and boiling range	>110°C (>230°F)
Flash point	None
Evaporation rate	0.3 (Butyl acetate = 1)
Flammability (solid, gas)	N/A
Upper/lower flammability limits	LEL=N/A UEL=N/A

## Safety Data Sheet Stain Plus

Upper/lower explosive limits	N/A
Vapor pressure	N/D
Vapor density	1.15 [Air = 1]
Relative density	1.04
Solubility(ies)	100%
Partition coefficient: n-octanol/water	N/D
Auto-ignition temperature	N/D
Decomposition temperature	N/D
Viscosity	Thin Liquid
Explosive properties	None
Oxidizing properties	None

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Contact with incompatible materials.

#### 10.2 Chemical stability

Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

Stable under normal use conditions.

#### 10.4 Conditions to avoid

None under normal use conditions.

#### 10.5 Incompatible materials

2-Butoxyethanol: Strong oxidizing agents

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Diethylene glycol butyl ether: Strong oxidizing agents, Light metals

#### 10.6 Hazardous decomposition products

2-Butoxyethanol: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available. In the event of fire: see section 5

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Diethylene glycol butyl ether: Other decomposition products - No data available

In the event of fire: see section 5

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2-Butoxyethanol: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

2-Butoxyethanol LD50 Skin - Rabbit - 1,060 mg/kg

Remarks: OECD Test Guideline 402

2-Butoxyethanol LD50 Intraperitoneal - Rat - 220 mg/kg

## Safety Data Sheet Stain Plus

2-Butoxyethanol LD50 Intravenous - Rat - 307 mg/kg

2-BUTOXYETHANOL  
LD50 Oral - Rat - 470 mg/kg

2-BUTOXYETHANOL LC50 Inhalation - Rat - 450 ppm  
Remarks: Behavioral:Ataxia. Nutritional and Gross Metabolic:Weight loss or decreased weight gain

D-LIMONENE LD50 Oral - Rat - 4,400 mg/kg  
Citation: Sigma SDS

D-LIMONENE LD50 Skin - Rabbit - >5,000 mg/kg  
Citation: Sigma SDS

Diethylene glycol butyl ether LD50 Oral - Rat - male - 7,291 mg/kg  
Remarks: (OECD Test Guideline 401)

Diethylene glycol butyl ether LD50 Skin - Rabbit - male - 2,764 mg/kg  
Remarks: (OECD Test Guideline 402)

// ----- From the Suggestion report (05/18/2018, 3:08 PM) ----- //

ATE (inhalation, gaseous) of mixture: 90000 ppmv

### **Skin corrosion/irritation**

Acute and delayed symptoms and effects:

May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

### **Serious eye damage/irritation**

Acute and delayed symptoms and effects:

Can cause severe irritation, redness, tearing, blurred vision.

### **Respiratory or skin sensitization**

Acute and delayed symptoms and effects:

Breathing of dust or mist can cause mild to severe irritation of nasal or respiratory passage.

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

Carcinogenicity: Ingredients not listed by OSHA, NTP, IARC.

### **Reproductive toxicity**

No data available.

### **STOT-single exposure**

Primary route of entry: A) Skin B) Inhalation

### **STOT-repeated exposure**

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

### **Aspiration hazard**

May be harmful if swallowed and enters airways.

# Safety Data Sheet

## Stain Plus

### Additional information

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D-Limonene: \*TOXICITY:  
typ. dose mode specie amount units other  
LDLo idu mus 1 gm/kg  
LD50 ipr mus 600 mg/kg  
LD50 ipr rat 3600 mg/kg  
LD50 ivn rat 110 mg/kg  
LD50 orl mus 5600 mg/kg  
LD50 orl rat 4400 mg/kg  
LD50 scu mus 3170 mg/kg

\*AQTX/TLM96: over 1000 ppm [052]

#### \*SAX TOXICITY EVALUATION:

THR: Poison by intravenous route. Moderately toxic by intraperitoneal and intraduodenal routes. Mildly toxic by ingestion. An experimental tumorigen and teratogen. Experimental reproductive effects.

#### \*CARCINOGENICITY:

Tumorigenic Data:

TDLo: orl-mus 67 gm/kg/39W-I

Status: NTP Carcinogenesis Studies (Gavage); Clear Evidence: Male Rat [620]

NTP Carcinogenesis Studies (Gavage); No Evidence: Female Rat, Male and Female Mouse [620]

#### \*MUTATION DATA:

test lowest dose | test lowest dose

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Not available |

#### \*TERATOGENICITY:

Reproductive Effects Data:

TDLo: orl-dog 680 gm/kg (27W male)

TDLo: orl-mus 3546 mg/kg (7-12D preg)

TDLo: orl-mus 14178 mg/kg (7-12D preg)

TDLo: orl-rat 20083 mg/kg (9-15D preg)

TDLo: orl-rat 252 gm/kg (26W male)

TDLo: orl-rat 83 gm/kg (30D pre)

TDLo: orl-rbt 3250 mg/kg (6-18D preg)

#### \*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

#### \*OTHER TOXICITY DATA:

Review: Toxicology Review



## Safety Data Sheet Stain Plus

Status: EPA TSCA Chemical Inventory, 1986  
EPA TSCA Test Submission (TSCATS) Data Base, January 1989  
Meets criteria for proposed OSHA Medical Records Rule  
Ingestion of 15 grams of this type of compound has caused death [301]

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Sodium hypochlorite solution (4-6% Cl<sub>2</sub>): From Fisher:

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

XI

Risk Phrases:

R 31 Contact with acids liberates toxic gas.

R 36/38 Irritating to eyes and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

S 50A Do not mix with acids.

WGK (Water Danger/Protection)

CAS# 7732-18-5: No information available.

CAS# 7681-52-9: 2

Canada - DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 7681-52-9 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of D2B.

Canadian Ingredient Disclosure List

CAS# 7681-52-9 is listed on the Canadian Ingredient Disclosure List.

### SECTION 12: Ecological information

#### Toxicity

ENVIRONMENTAL DATA: No known significant effects or critical hazards

ECOTOXICOLOGICAL INFORMATION: Not Available

2-Butoxyethanol LC50 - *Oncorhynchus mykiss* (rainbow trout) - 1,474 mg/l - 96 h

Remarks: OECD Test Guideline 203

2-Butoxyethanol EC50 - *Daphnia magna* (water flea) - 1,550 mg/l - 48 h

Remarks: OECD Test Guideline 202

2-Butoxyethanol EC50 - *Pseudokirchneriella subcapitata* (green algae) - 1,840 mg/l - 72 h

Remarks: OECD Test Guideline 201

2-Butoxyethanol LD50 Oral - Rat - 880 mg/kg

Remarks: OECD Test Guideline 401

## Safety Data Sheet Stain Plus

D-LIMONENE LC50 - Pimephales promelas (fathead minnow) - 0.72 mg/l - 96 h  
Citation: Sigma SDS

D-LIMONENE EC50 - Daphnia magna (water flea) - 0.36 mg/l - 48 h  
Citation: Sigma SDS

Diethylene glycol butyl ether aerobic - 28 d  
Result: 91.7 % - Readily biodegradable  
Remarks: OECD Test Guideline 301B)

Diethylene glycol butyl ether LC50 - Lepomis macrochirus (bluegill) - 1,300 mg/l - 96 h  
Remarks: (OECD Test Guideline 203)

Diethylene glycol butyl ether EC50 - Daphnia magna (water flea) - >100 mg/l - 48 h  
Remarks: (Directive 67/548/EEC, Annex V, C.2.)

Diethylene glycol butyl ether LC50 - Pseudomonas putida - 1,170 mg/l - 16 h

### SECTION 13: Disposal considerations

#### Disposal of the product

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Dispose of empty bottle in the trash or recycle where facilities exist.

### SECTION 14: Transport information

14.1	UN Number	None
14.2	UN Proper Shipping Name	None
14.3	Transport hazard class(es)	None
14.4	Packing group	None
14.5	Environmental hazards	None
14.6	Special precautions for user	None
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	None

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### CANADA

WHMIS (Canada): This product has been classified according to the hazard criteria of the HPR and the SDS contains all information required by the HPR.

##### Canadian Domestic Substances List (DSL)

##### SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

2-(2-Butoxyethoxy)ethanol

CAS-No. 112-34-5

### SECTION 16: Other information

## Safety Data Sheet Stain Plus

### 16.1 Further information/disclaimer

These SDS are written in an effort to provide information to the worker in the workplace and in such a way it can be understood. To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

### 16.2 Preparation information

Prepared by Craig Gourley