



SAFETY DATA SHEET

Issuing Date 16-Sep-2014

Revision Date 16-Sep-2014

Revision Number 0

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name Sudz Off (Detergent Removable) All Colors
Part Number Black (44985, 91985), Blue (44938, 91938), Green (44371, 91371), Red (44939, 91939), White (44146, 91146), Yellow (44694, 91694)
Formula Code Z985 (Black), X938 (Blue), Y371 (Green), X939 (Red), Z146 (White), Z694 (Yellow)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Solvent based marker
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer (5511) 4785.2600	Supplier ITW PRO BRANDS 805 E. Old 56 Highway Olathe, KS 66061 TEL: 1-800-443-9536
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For further information, please contact

E-mail Address cservice@itwprobrands.com

1.4. Emergency telephone number

Emergency Telephone Number 800-535-5053 Infotrac

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute Oral Toxicity	Category 4
Acute Dermal Toxicity	Category 4
Serious Eye Damage/Eye Irritation	Category 1
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3

Physical Hazards

Flammable liquids	Category 3
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Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol(s) Xi - Irritant
R-code(s) R10 - Xi;R41 - R67

2.2. Label Elements



Signal Word

Danger

Hazard Statements

- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H318 - Causes serious eye damage
- H336 - May cause drowsiness or dizziness
- H226 - Flammable liquid and vapor
- EUH210 - Safety data sheet available on request

Precautionary Statements - EU (§28, 1272/2008)

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

Precautionary Statements

- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
- P330 - Rinse mouth
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P363 - Wash contaminated clothing before reuse
- P322 - Specific measures (see supplemental first aid instructions on this label)
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER or doctor/ physician
- P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
- P271 - Use only outdoors or in a well-ventilated area
- P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
- P312 - Call a POISON CENTER or doctor/ physician if you feel unwell
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P405 - Store locked up
- P501 - Dispose of contents/ container to an approved waste disposal plant
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P240 - Ground/Bond container and receiving equipment
- P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
- P403 + P235 - Store in a well-ventilated place. Keep cool

2.3. Other information

Section 3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Propanol	Present	71-23-8	60-100	F; R11 Xi; R41 R67	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Dam. 1 (H318)	No data available
Titanium dioxide	236-675-5	13463-67-7	15-40	-		No data available
Diacetone alcohol	Present	123-42-2	7-13	Xi; R36	Eye Irrit. 2 (H319)	No data available
Silicon dioxide	Present	7631-86-9	3-7	-		No data available
Aluminum hydroxide	244-492-7	21645-51-2	1-5	-		No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures**General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediate medical attention is required.

Skin Contact

Flush with cool water. If skin irritation persists, call a physician.

Ingestion

Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Protection of First-aiders

Remove all sources of ignition. Use personal protective equipment.

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

Most Important Symptoms/Effects No information available.

4.3. Indication of immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media**Suitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO₂). Foam.

Extinguishing media which must not be used for safety reasons

Water.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Stop leak if you can do it without risk.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

Small spillage: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Large spillage: Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from open flames, hot surfaces and sources of ignition. Keep away from incompatible materials. Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children. Keep container closed when not in use.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
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Propanol 71-23-8		STEL: 250 ppm STEL: 625 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³ Skin	TWA: 200 ppm TWA: 500 mg/m ³	S* STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	
Titanium dioxide 13463-67-7		STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	VME: 10 mg/m ³	VLA-ED: 10 mg/m ³	
Diacetone alcohol 123-42-2		STEL: 75 ppm STEL: 362 mg/m ³ TWA: 50 ppm TWA: 241 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³	TWA: 50 ppm TWA: 241 mg/m ³	TWA: 20 ppm TWA: 96 mg/m ³ Ceiling / Peak: 40 ppm Ceiling / Peak: 192 mg/m ³ Skin
Silicon dioxide 7631-86-9		STEL: 18 mg/m ³ STEL: 7.2 mg/m ³ TWA: 6 mg/m ³ TWA: 2.4 mg/m ³			TWA: 4 mg/m ³
Aluminum hydroxide 21645-51-2		TWA: 10 mg/m ³ TWA: 4 mg/m ³			TWA: 4 mg/m ³ TWA: 1.5 mg/m ³
Component	Italy	Portugal	The Netherlands	Finland	Denmark
Propanol 71-23-8 (60-100)		STEL: 400 ppm TWA: 200 ppm		TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³ Skin
Titanium dioxide 13463-67-7 (15-40)		TWA: 10 mg/m ³			TWA: 6 mg/m ³
Diacetone alcohol 123-42-2 (7-13)		TWA: 50 ppm		TWA: 50 ppm TWA: 240 mg/m ³ STEL: 75 ppm STEL: 360 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³
Silicon dioxide 7631-86-9 (3-7)				TWA: 5 mg/m ³	
Aluminum hydroxide 21645-51-2 (1-5)			TWA: 0.05 mg/m ³		
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Propanol 71-23-8	TWA: 200 ppm TWA: 500 mg/m ³	Skin TWA: 200 ppm TWA: 500 mg/m ³	STEL: 600 mg/m ³ TWA: 200 mg/m ³	TWA: 100 ppm TWA: 245 mg/m ³ Skin STEL: 150 ppm STEL: 306.25 mg/m ³	TWA: 100 ppm STEL: 300 ppm Skin
Titanium dioxide 13463-67-7	STEL 10 mg/m ³ MAK: 5 mg/m ³	MAK: 3 mg/m ³	NDSch: 30 mg/m ³ NDS: 10.0 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³
Diacetone alcohol 123-42-2	Skin TWA: 50 ppm TWA: 240 mg/m ³	Skin STEL: 40 ppm STEL: 192 mg/m ³ TWA: 20 ppm TWA: 96 mg/m ³	TWA: 240 mg/m ³	TWA: 25 ppm TWA: 120 mg/m ³ STEL: 37.5 ppm STEL: 150 mg/m ³	TWA: 50 ppm TWA: 240 mg/m ³ STEL: 75 ppm STEL: 360 mg/m ³
Silicon dioxide 7631-86-9	TWA: 4 mg/m ³ TWA: 0.3 mg/m ³	TWA: 4 mg/m ³ TWA: 0.3 mg/m ³		TWA: 1.5 mg/m ³ STEL: 3 mg/m ³	TWA: 6 mg/m ³ TWA: 2.4 mg/m ³
Aluminum hydroxide 21645-51-2	STEL 10 mg/m ³ TWA: 5 mg/m ³	TWA: 3 mg/m ³	TWA: 2.5 mg/m ³ TWA: 1.2 mg/m ³		TWA: 10 mg/m ³ TWA: 4 mg/m ³

Derived No Effect Level No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal protective equipment

Eye Protection	Safety glasses with side-shields. If splashes are likely to occur, wear: Chemical splash goggles.
Skin and Body Protection	Risk of contact: Boots. Apron.
Hand Protection	Chemical resistant gloves
Respiratory Protection	No special protective equipment required. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental Exposure Controls Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid.	Appearance	Thin viscosity, Varies.
Odor	Alcohol.		

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	97.22 °C / 207 °F	None known
Flash Point	25 °C / 77 °F	Tag closed cup
Evaporation rate	1.3 (BuAc = 1)	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	> 1 (air = 1)	None known
Relative Density	< 1 @ 70°F	None known
Water Solubility	70-80%	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Flammable; may be ignited by heat, sparks or flames.	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%)	Z985 Black: 88% X939 Red: 92.12% X938 Blue: 89.65% Z146 White: 49.16% Y371 Green: 91.25% Z694 Yellow: 49.22%
VOC (g/l)	Z985 Black: 791 g/L X939 Red: 771 g/L X938 Blue: 737 g/L Z146 White: 564 g/L Y371 Green: 750 g/L Z694 Yellow: 568 g/L
Flammability Limits in Air	
Upper	13.7
Lower	2.1

Section 10. Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks. Incompatible products.

10.5. Incompatible materials

Strong oxidizing agents. Strong reducing agents. Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Carbon oxides. Soot. Smoke

Section 11. Toxicological information

11.1.

Acute Toxicity

Product Information

Inhalation

May cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

Eye Contact

Causes serious eye irritation. Causes serious eye damage.

Skin Contact

Harmful in contact with skin.

Ingestion

Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propanol	= 1870 mg/kg (Rat)	= 4049 mg/kg (Rabbit)	> 13548 ppm (Rat) 4 h
Titanium dioxide	> 10000 mg/kg (Rat)		
Diacetone alcohol	= 4 g/kg (Rat)	= 13500 mg/kg (Rabbit)	
Silicon dioxide	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	>2.2 mg/L (Rat) 4 h
Aluminum hydroxide	> 5000 mg/kg (Rat)	-	-

Sensitization

No information available.

Mutagenic Effects

No information available.

Carcinogenic Effects

No information available.

Reproductive Toxicity

No information available.

Developmental Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Target Organ Effects

Blood. Central nervous system (CNS). Eyes. Gastrointestinal tract (GI). Kidney. Liver. Lungs. Respiratory system. Skin.

Aspiration Hazard

No information available.

Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Propanol		LC50 96 h: = 4480 mg/L flow-through (Pimephales promelas)	EC50 = 17700 mg/L 5 min EC50 = 45000 mg/L 5 h EC50 = 8686 mg/L 15 min EC50 = 980 mg/L 12 h	EC50 48 h: = 3642 mg/L (Daphnia magna) EC50 48 h: 3339 - 3977 mg/L Static (Daphnia magna)

Diacetone alcohol		LC50 96 h: = 420 mg/L static (Lepomis macrochirus) LC50 96 h: = 420 mg/L (Lepomis macrochirus)		EC50 24 h: = 8750 mg/L (Daphnia magna)
Silicon dioxide	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

Chemical Name	Log Pow
Propanol	0.25 - 0.34
Diacetone alcohol	1.03

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products	Dispose of in accordance with local regulations.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III, (25°C c.c.)
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
EmS No.	F-E, S-E

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

RID

14.1. UN-Number UN1263
 14.2. Proper Shipping Name Paint
 14.3. Hazard Class 3
 14.4. Packing Group III
 Description UN1263, Paint, 3, III
 14.5. Environmental hazard None.
 14.6. Special Provisions None.
 Classification Code F1

ADR

14.1. UN-Number UN1263
 14.2. Proper Shipping Name Paint
 14.3. Hazard Class 3
 14.4. Packing Group III
 Description UN1263, Paint, 3, III, (D/E)
 14.5. Environmental hazard None.
 14.6. Special Provisions None.
 Classification Code F1
 Tunnel Restriction Code (D/E)

ICAO

14.1. UN-Number UN1263
 14.2. Proper shipping name Paint
 14.3. Hazard Class 3
 14.4. Packing Group III
 Description UN1263, Paint, 3, III
 14.5. Environmental hazard None.
 14.6. Special Provisions None.

IATA

14.1. UN-Number UN1263
 14.2. Proper Shipping Name Paint
 14.3. Hazard Class 3
 14.4. Packing Group III
 Description UN1263, Paint, 3, III
 14.5. Environmental hazard None.
 14.6. Special Provisions None.
 ERG Code 3L

Section 15. Regulatory information

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

International Inventories

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

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of R-phrases referred to under Sections 2 and 3

R11 - Highly flammable
R67 - Vapors may cause drowsiness and dizziness
R41 - Risk of serious damage to eyes
R36 - Irritating to eyes
R10 - Flammable

Full text of H-Statements referred to under sections 2 and 3

H319 - Causes serious eye irritation
H225 - Highly flammable liquid and vapor
H336 - May cause drowsiness or dizziness
H318 - Causes serious eye damage
H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
EUH210 - Safety data sheet available on request

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date	16-Sep-2014
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Revision Note	Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet