

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product Name : Detergent Screen™ Kit  
Product Number : HR2-407  
Product type : Liquid  
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses : For research use only. Not for drug, household, or other use.

**1.3 Details of the supplier of the Safety Data Sheet**

Company : Hampton Research  
34 Journey  
Aliso Viejo, CA 92656-3317  
United States  
Telephone : 949 425 1321  
Telephone technical support is available 8:00 a.m. to 4:30 p.m. USA Pacific Standard Time.  
Fax : 949 425 1611  
Fax Technical Support is available 24 hours a day.  
e-mail : tech@hrmail.com  
e-mail Technical Support is available 24 hours a day.

**1.4 Emergency telephone number**

Emergency phone : 949 425 1321  
For **CHEMTREC** Assistance : 800 424 9300  
For **CHEMTREC** Assistance : 703 527 3887 (International)

**SECTION 2: Hazards Identification****2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

see SECTION 16

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

see SECTION 16

**Additional information:**

Relevant R-phrase(s), S-phrase(s), GHS pictogram(s), Hazard statement(s), and Precautionary statement(s) please see SECTION 16

## (CONTINUED) - SECTION 2: Hazards Identification

### 2.2 Label elements

Hazard pictogram	: Not applicable
Signal word	: Not applicable
Hazard statement(s)	: Not applicable
Precautionary statement(s)	: Not applicable
Supplemental Hazard Statements	: Not applicable

2.3 Other hazards : none

## SECTION 3: Composition/information on ingredients

see SECTION 16

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

#### General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

### 4.3 Indication of any immediate medical attention and special treatment needed

#### Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### Specific treatments

No specific treatment.

## SECTION 5: Fire Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Unsuitable extinguishing media

None known

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

No data available

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further Information

No data available

## SECTION 6: Accidental Release Measures

### 6.1 Personal Precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

### 6.2 Environmental precautions

Do not let product enter drains.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see SECTION 8 and 13.

## SECTION 7: Handling and Storage

### 7.1 Personal Precautions

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

See Section 8 for additional information on hygiene measures. For precautions see section 16.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end uses

A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Components with workplace control parameters

Consult a physician. Show this safety data sheet to the doctor in attendance.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Environmental Exposure Controls

See SECTION 6

## SECTION 9: Physical and Chemical Properties

No data available

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No data available

## (CONTINUED) - SECTION 10: Stability and Reactivity

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

## SECTION 11: Toxicological Information

No data available

## SECTION 12: Ecological Information

No data available

## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transportation Information

### 14.1 UN number

ADR/RID: 3316

IMDG: 3316

IATA: 3316

### 14.2 UN proper shipping name

ADR/RID: CHEMICAL KIT

IMDG: CHEMICAL KIT

IATA: Chemical kit

### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

### 14.5 Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

## (CONTINUED) - SECTION 14: Transportation Information

### 14.6 Special precautions for user

No data available

## SECTION 15: Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006.

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

No data available

### 15.2 Chemical Safety Assessment

No data available

## SECTION 16: Other Information

### Kit Components

Substance Name	Catalog #	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statement	Precautionary Statement	WKG
06:0 Lyso PC		58445-96-8						
06:0 PC (DHPC)		34506-67-7						
07:0 Lyso PC		160118-49-0						
07:0 PC (DHPC)		39036-04-9						
08:0 Lyso PC		45287-18-1						
09:0 Lyso PC		253678-66-9						
10:0 Lyso PC		22248-63-1						
11:0 Lyso PC		27869-41-6						
12:0 Lyso PC		20559-18-6						
13:0 Lyso PC		20559-17-5						
14:0 Lyso PC		20559-16-4						
14:0 Lyso PG		326495-21-0						
15:0 Lyso PC		108273-89-8						
16:0 Lyso PC		17364-16-8						
16:0 Lyso PG		326495-22-1						
17:0 Lyso PC		50930-23-9						
18:0 Lyso PC		19420-57-6						
18:0 Lyso PG		326495-23-2						
18:1 Lyso PC		19420-56-5						
18:1 Lyso PG		326495-24-3						
APO 10		2190-95-4						
APO 11		N/A						
APO 12		871-95-4						
APO 8		13232-68-3						
APO 9								
BAM		7281-04-1	22-36/37/38	26-36	GHS06	H301-H315- H319-H335	P261-P301 + P310- P305 + P351 + P338	3
BIG CHAP		86303-22-2	20/21- 36/37/38-61	22-36/37/39- 45				

**(CONTINUED) - SECTION 16: Other Information**

Substance Name	Catalog #	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statement	Precautionary Statement	WKG
Brij® 35		9002-92-0	22-36	24				
Brij® 56		9004-95-9						3
Brij® 58		9004-95-9	LD50 Rat 2500 mg/kg					2
C <sub>12</sub> E <sub>8</sub>		3055-98-9						3
C <sub>12</sub> E <sub>9</sub>		3055-99-0						3
CHAPS		75621-03-3						3
CHAPSO		82473-24-3	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
CTAB		57-09-0	22-37/38- 41-50/53	26-39-60-61	GHS05, GHS07, GHS09	H302-H315- H318-H335- H373-H400	P260-P280-P301 + P312 + P330-P305 + P351 + P338-P310	3
DDMAB		15163-30-1	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Deoxy Big Chap		86303-23-3	36/37/38	26-36				
Deoxycholic acid sodium salt		302-95-4			GHS07	H302	P301 + P312 + P330	3
Dodecyltrimethyl-ammonium chloride		112-00-5	22- 36/37/38- 50/53	26-61	GHS07, GHS09	H302-H315- H319-H335-H400	P261-P273-P305 + P351 + P338	3
FACADE®-EM		1429405- 95-7						
Facade®-EPC		1429405- 99-1						
Facade®-TEG		1429405- 97-9						
Facade®-TEM		1429405- 96-8						
Facade®-TFA1		1257127- 64-2						
GDN		1402423- 29-3						
Genapol® X-080		9043-30-5			GHS05, GHS07	H302-H318-H411	P280-P305 + P351 + P338	3
IPTG		367-93-1	19-40	36/37	GHS07, GHS08	H319-H351	P281-P305 + P351 + P338	3
LDAO		1643-20-5	34	26-36/37/39- 45	GHS05	H314	P280-P305 + P351 + P338-P310	2
Lithium dodecyl sulfate		2044-56-6			GHS02, GHS05, GHS07	H228-H315- H318-H335	P210-P261-P280- P305 + P351 + P338	3
Mal(11.1)		1219008- 49-7						
Mal(11.2)		1219008- 64-6						
MAPCHO-10		70504-28-8						
MAPCHO-12		29557-51-5						
MAPCHO-14		77733-28-9						
MAPCHO-16		58066-85-6						
MEGA-8		85316-98-9		22-24-36/37				3
MEGA-9		85261-19-4		22-24-36/37				3
MEGA-10		85261-20-7		22-24-36/37				3

**(CONTINUED) - SECTION 16: Other Information**

Kit Components								
Substance Name	Catalog #	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statement	Precautionary Statement	WKG
Methyl-6-O-(N-heptylcarbamoyl)- $\alpha$ -D-glucopyranoside		115457-83-5						3
MSDH		N/A						
N,N-Dimethyldecylamine-N-oxide		2605-79-0			GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
n-Decanoylsucrose		31835-06-0						3
n-Decyl- $\beta$ -D-maltoside		82494-09-5						3
n-Dodecyl- $\beta$ -D-maltoside		69227-93-6						3
NDSB-195		160255-06-1	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3
NDSB-201		15471-17-7						3
NDSB-211		38880-58-9	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3
NDSB-221		160788-56-7	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	1
NDSB-256		81239-45-4						3
NDSB-256-4T		570412-84-9			GHS07	H315-H319	P264-P280-P302+P352-P305+P351+P338-P332+P313-P337+P313-P362	3
n-Hexadecyl- $\beta$ -D-maltoside		98064-96-1						
N-Lauroylsarcosine sodium salt		137-16-6			GHS05, GHS06	H315-H318-H330	P260-P280-P304 + P340 + P310-P305 + P351 + P338 + P310-P403 + P233	1
n-Nonyl- $\beta$ -D-glucoside		69984-73-2	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
n-Octyl- $\beta$ -D-glucoside		29836-26-8						3
n-Octyl- $\beta$ -D-thioglucopyranoside		85618-21-9						
Nonylphenyl polyethylene glycol		9016-45-9	37-41	26-39				
n-Tetradecyl- $\beta$ -D-maltoside		18449-82-6						3
Pentaethylene glycol mono-octyl ether		19327-40-3						3
Pluronic® F-68		9003-11-6						
Pluronic® F-127		9003-11-6						
Sodium cholate hydrate		206986-87-0						3
Sodium dodecyl sulfate		151-21-3	11-21/22-36/37/38	26-36/37	GHS02, GHS05, GHS06	H228-H302 + H332-H315-H318-H335-H412	P210-P261-P273-P280-P305 + P351 + P338	2
Sucrose monolaureate		25339-99-5						1
Sulfobetaine 8		15178-76-4						
Sulfobetaine 10		15163-36-7	36/37/38	26-36				
Sulfobetaine 12		14933-08-5	36/37/38	26-36		H315-H319-H335	P302+P352-P305+P351+P338-P304+P340	
Sulfobetaine 14		14933-09-6	36/37/38	26-36				
Sulfobetaine 16		2281-11-0	36/37/38	26-36				



**(CONTINUED) - SECTION 16: Other Information**

Kit Components								
Substance Name	Catalog #	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statement	Precautionary Statement	WKG
Tetraethylene glycol monoethyl ether		19327-39-0			GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
Thesit®		9002-92-0	22-38-41	26-36/37/39	GHS05, GHS07	H302-H315-H318	P280-P305 + P351 + P338	2
Tridecyl-β-D-maltoside		93911-12-7						3
Triton® X-100		9002-93-1			GHS05, GHS07, GHS09	H302-H315-H318-H410	P280-P301 + P312 + P330-P305 + P351 + P338 + P310	2
Triton® X-114		9036-19-5			GHS05, GHS07, GHS09	H302-H315-H318-H410	P280-P301 + P312 + P330-P305 + P351 + P338 + P310	3
Tween® 20		9005-64-5						1
Tween® 80		9005-65-6						1
Undecyl-β-D-maltoside		253678-67-0						3

**Relevant R-phrase(s), S-phrase(s), GHS Pictogram(s), Hazard statement(s), and Precautionary statement(s)****Risk Phrase(s)**

- R 11 : Highly Flammable
- R 19 : May form explosive peroxides
- R 20/21 : Harmful by inhalation and in contact with skin
- R 21/22 : Harmful in contact with skin and if swallowed
- R 22 : Harmful if swallowed
- R 34 : Causes burns
- R 36 : Irritating to the eyes
- R 36/37/38 : Irritating to eyes, respiratory system and skin
- R 37/38 : Irritating to respiratory system and skin
- R 37 : Irritating to the respiratory system
- R 38 : Irritating to the skin
- R 40 : Limited evidence of a carcinogenic effect
- R 41 : Risk of serious damage to eyes
- R 50/53 : Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
- R 61 : May cause harm to the unborn child







**Safety Phrase(s)**

- S 22 : Do not breathe dust
- S 24 : Avoid contact with skin
- S 26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S 36 : Wear suitable protective clothing and seek medical advice
- S 36/37 : Wear suitable protective clothing and gloves
- S 36/37/39 : Wear suitable protective clothing, gloves and eye/face protection
- S 39 : Wear eye/face protection
- S 45 : In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
- S 60 : This material and/or its container must be disposed of as hazardous waste
- S 61 : Avoid release to the environment. Refer to special instructions safety data sheet

## (CONTINUED) - SECTION 16: Other Information

### Relevant R-phrases, S-phrases, GHS Pictogram(s), Hazard statement(s), and Precautionary statement(s)

#### GHS Pictogram

GHS02	:	Flammable Liquids		GHS07	:	Acute toxicity	
GHS05	:	Eye Irritation		GHS08	:	Health Hazard	
GHS06	:	Acute toxicity		GHS09	:	Environment	

#### Hazard statement(s)

H301	:	Toxic if swallowed.
H302	:	Harmful if swallowed.
H312 + H332	:	Harmful in contact with skin or if inhaled.
H314	:	Causes severe skin burns and eye damage.
H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H330	:	Fatal if inhaled.
H335	:	May cause respiratory irritation.
H351	:	Suspected of causing cancer.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H400	:	Suspected of causing cancer.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.
H412	:	Harmful to aquatic life with long lasting effects.

#### Precautionary statement(s)

P210	:	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P260	:	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	:	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	:	Wash hands thoroughly after handling.
P273	:	Avoid release to the environment.
P280	:	Wear protective gloves/protective clothing/eye protection/face protection.
P281	:	Use personal protective equipment as required.
P301 + P310	:	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + P312 + P330	:	IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. Rinse mouth.
P302 + P352	:	IF ON SKIN: wash with plenty of soap and water.
P304 + P340	:	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P304 + P340 + P310	:	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
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.

## (CONTINUED) - SECTION 16: Other Information

### Precautionary statement(s)

P332 + P313 : IF SKIN irritation occurs: Get medical advice/attention.

P337 + P313 : If eye irritation persists: Get medical advice/attention.

P362 : Take off contaminated clothing and wash before reuse.

P403 + P233 : Store in a well-ventilated place. Keep container tightly closed.

### DISCLAIMER

- For R&D use only. Not for drug, household, or other use.

### WARRANTY

• The above information is believed to be correct but does no purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of this product. Hampton Research Corp., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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