

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

Product Name : Detergent Screen HT™ Individual Reagents
Product Number : HR2-406-**
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

Refer to 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

Refer to Section 16

SECTION 12: Ecological Information

Refer to Section 16

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
BAM		7281-04-1	22-36/37/38	26-36	GHS06	H301-H315-H319-H335	P261-P301 + P310-P305 + P351 + P338	3
Lauryl maltose neopentyl glycol								
Dodecyltrimethylammonium chloride		112-00-5	22-36/37/38-50/53	26-61	GHS07, GHS09	H302-H315-H319-H335-H410	P261-P273-P305 + P351 + P338-P501	3
CTAB		57-09-0	22-37/38-41-50/53	26-39-60-61	GHS05, GHS07, GHS09	H302-H315-H318-H335-H410	P261-P273-P280-P305 + P351 + P338-P501	3
Deoxycholic acid sodium salt		302-95-4	22-37		GHS07	H302-H335	P261	3
Sodium dodecyl sulfate		151-21-3	11-21/22-36/37/38	26-36/37	GHS02, GHS05, GHS06	H228-H302-H311-H315-H318-H335	P210-P261-P280-P305 + P351 + P338-P312	2
Sodium cholate		361-09-1						3
Sodium dodecanoyl sarcosine		137-16-6	23-38-41	22-26-37/39-38-45	GHS05, GHS06	H315-H318-H330	P260-P280-P284-P305 + P351 + P338-P310	1
ANAPOE®-X-305		9002-93-1	22-36-51/53	26-61	GHS07, GHS09	H319-H411	P273-P305 + P351 + P338	1
IPTG		367-93-1	19-40	36/37	GHS07, GHS08	H319-H351	P281-P305 + P351 + P338	3
n-Hexadecyl-β-D-maltoside		98064-96-1						3
ANAPOE®-58		9004-95-9						2
n-Tetradecyl-β-D-maltoside		18449-82-6						3
ANAPOE®-80		9005-65-6						1
n-Tridecyl-β-D-maltoside		93911-12-7						3
C ₁₂ E ₉		3055-99-0						3
ANAPOE®-20		9005-64-5						1
Thesit®		9002-92-0	22-38-41	26-36/37/39	GHS05, GHS07	H302-H315-H318	P280-P305 + P351 + P338	2

(CONTINUED) - SECTION 16: Other Information

Kit Components								
Substance Name	Catalog #	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statement	Precautionary Statement	WKG
ANAPOE®-35		9002-92-0	22-38-41	26-36/37/39	GHS05, GHS07	H302-H315-H318	P280-P305 + P351 + P338	2
ANAPOE®-C ₁₃ E ₈		9043-30-5	36/38-41	24-36/37		H302-H319-H316	P261-P280-P302+P352-P304+P341-P305+P351+P338	
C ₁₂ E ₈		3055-98-9						3
n-Dodecyl-β-D-maltoside		69227-93-6						3
CYMAL®-7		349477-49-2						
ANAPOE®-X-114		9036-19-5	41	26-39	GHS05	H318	P280-P305 + P351 + P338	3
ANAPOE®-C ₁₂ E ₁₀		6540-99-4			GHS07, GHS08			
Sucrose monolaurate		25339-99-5						1
CYMAL®-6		228579-27-9						3
n-Undecyl-β-D-maltoside		253678-67-0						3
ANAPOE®-X-405		9002-93-1	41	26-39	GHS05	H318	P280-P305 + P351 + P338	3
TRITON® X-100		9002-93-1	41-52/53	26-39-61	GHS05	H318-H412	P273-P280-P305 + P351 + P338	1
ANAPOE®-C ₁₀ E ₆		5168-89-8	22-41	26-39	GHS05, GHS07	H302-H318	P280-P305 + P351 + P338	3
n-Decyl-β-D-thiomaltoside		14565-56-4						
Octyl maltoside, fluorinated								
ANAPOE®-C ₁₀ E ₉		26183-52-81	36/38	24-36/37			P261-P280	
Big CHAP, deoxy		86303-23-3	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
n-Decyl-β-D-maltoside		82494-09-5						3
LDAO		1643-20-5	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	2
n-Decanoylsucrose		31835-06-0						3
n-Nonyl-β-D-thioglucoside		98854-15-0	43	36/37	GHS07	H317	P280	3
n-Nonyl-β-D-thiomaltoside		148565-55-3						3
CYMAL®-5		250692-65-0						3
n-Nonyl-β-D-maltoside		106402-05-5	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
n-Nonyl-β-D-glucoside		69984-73-2	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
HEGA® -10		139361-84-5		22-24-36/37		H303-H313-H333	P261-P280-P302+P352-P304+P341-P342+P311	
MEGA -10		85261-20-7						3
C8E5		19327-40-3						3
CYMAL® -4		181135-57-9						
C ₈ E ₄		19327-39-0	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
n-Octyl-β-D-thiomaltoside		148616-91-5						3
n-Octyl-β-D-thioglucoside		85618-21-9						3

(CONTINUED) - SECTION 16: Other Information

Kit Components								
Substance Name	Catalog #	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statement	Precautionary Statement	WKG
Hexaethylene glycol monoethyl ether		4440-54-4	36/38	24-36/37		H303+H313	P280-P302+P352-P305+P351+P313-P301+P313-P501	
DDAO		2605-79-0	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
C-HEGA®-11		864434-16-2		22, 24, 36/37		H303, H313, H333	P261, P280, P302+P352, P304+P341, P342+P311	
Pluronic® F-68		9003-11-6						1
HECAMEG®		115457-93-5						
n-Octyl-β-D-glucoside		29836-26-8						1
Sulfobetaine 3-10		15163-36-7	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
MEGA-9		85261-19-4						3
2,6-Dimethyl-4-heptyl-β-D-maltopyranoside		8696-38-3	36/37/38	22, 24, 36/37		H303, H313, H333, H315, H320, H335	P261, P280, P302 + P352, P304 + P341, P342+ P311	
n-Heptyl-β-D-thioglucopyranoside		85618-20-8						3
n-Octyl-β-D-galactopyranoside		40427-75-6						
CYMAL®-3		181135-58-0						
C-HEGA®-10		864434-15-1		22, 24, 36/37		H303, H313, H333	P261, P280, P302 + P352, P304 + P341, P342+ P311	
HEGA®-9		869653-90-7		22, 24, 36/37		H303, H313, H333	P261, P280, P302 + P352, P304 + P341, P342+ P311	
Dimethyloctylphosphine oxide		13232-68-3						
MEGA-8		85316-98-9						3
C-HEGA®-9		864434-14-0		22, 24, 36/37		H303, H313, H333	P261, P280, P302 + P352, P304 + P341, P342+ P311	
HEGA®-8		869652-63-1		22, 24, 36/37		H303, H313, H333	P261, P280, P302 + P352, P304 + P341, P342+ P311	
CYMAL®-2		260804-65-7						
n-Hexyl-β-D-glucopyranoside		59080-45-4						3
Tripao		NONE	36/37/38	22, 24, 36/37	GHS05, GHS07	H302, H315, H318	P261, P280, P302 + P352, P304 + P341, P305+351+338, P501	
CYMAL®-1		260804-64-6						
NDSB-195	HR2-703	160255-06-1	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3
NDSB-201	HR2-701	15471-17-7						3
NDSB-211	HR2-793	38880-58-9	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	3

(CONTINUED) - SECTION 16: Other Information

Kit Components								
Substance Name	Catalog #	[CAS]	R-Phrase	S-Phrase	GHS Pictogram	Hazard Statement	Precautionary Statement	WKG
NDSB-221	HR2-791	160788-56-7	34	26-36/37/39-45	GHS05	H314	P280-P305 + P351 + P338-P310	1
NDSB-256	HR2-705	81239-45-4						3
ZWITTERGENT® 3-14		14933-09-6	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
n-Dodecyl-N,N-dimethylglycine		683-10-3	21-25	36/37-45	GHS06	H301-H312	P280-P301 + P310	3
FOS-Choline®-12		29557-51-5						
FOS-Choline®-8, fluorinated.								
n-Undecyl-N,N-Dimethylamine-Oxide		15178-71-9	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
ZWITTERGENT® 3-12		14933-08-5	20/21/22-36/37/38	22-24/25-26-36/37/39	GHS05, GHS07	H302-H312-H315-H318-H332-H335	P261-P280-P305 + P351 + P338	2
DDMAB		15163-30-1	36/37/38	26	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
FOS-MEA®-10		557788-85-9	36/37/38	22, 24, 36/37		H302 + H312 + H332, H315 + H320, H335	P261, P280, P302 + P352, P304 + P341, 305+351+338+313	
CHAPS		75621-03-3						3
CHAPSO		82473-24-3	36/37/38	26-36	GHS07	H315-H319-H335	P261-P305 + P351 + P338	3
FOS-Choline®-10		70504-28-8						3
n-Decyl-N,N-dimethylglycine		2644-45-3	36/37/38	22, 24, 36/37	GHS07	H315, H319, H335	P261, P280, P302+P352, P305+P351+P338	
FOS-Choline®-9		253678-64-7						
ZWITTERGENT® 3-10		15163-36-7	36/37/38	26, 36				
CYCLOFOS™-3		823796-66-3	36/37/38	22, 24, 36/37		H302 + H312 + H332, H315 + H320 + H335	P261, P280, P302 + P352, P304 + P341, P501	
FOS-Choline®-8		53255-89-3						3
ZWITTERGENT® 3-08		15178-76-4	36/37/38	26-36	GHS07	H315-H317-H319-H335	P261-P280-P305 + P351 + P338	3
LysoFos™ Choline 12		20559-18-6						3
LysoFos™ Choline 14		20559-16-4		22, 24, 36/37		H303, H313, H333, H335	P261, P280, P302 + P352, P304 + P341, P342+ P311	

For additional information, please refer to the individual Material Safety Data Sheets(s).

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 20/21/22 : Harmful by inhalation, in contact with skin and if swallowed
- R 21 : Harmful in contact with skin
- R 21/22 : Harmful in contact with skin and if swallowed
- R 22 : Harmful if swallowed
- R 23 : Toxic by inhalation

(CONTINUED) - SECTION 16: Other Information







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

- R 25 : Toxic if swallowed
R 34 : Causes burns
R 36 : Irritating to the eyes
R 36/37/38 : Irritating to eyes, respiratory system and skin
R 36/38 : Irritating to eyes 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 43 : May cause sensitization by skin contact
R 50/53 : Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R 51/53 : Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R 52/53 : Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

Safety Phrase(s)

- S 22 : Do not breathe dust
S 24 : Avoid contact with skin
S 24/25 : Avoid contact with skin and eyes
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 37/39 : Wear suitable gloves and eye/face protection
S 38 : Irritating to the skin
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

GHS Pictogram

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

Hazard statement(s)

- H228 : Flammable solid.
H301 : Toxic if swallowed.
H302 : Harmful if swallowed.

(CONTINUED) - SECTION 16: Other Information

(CONTINUED) - Hazard statement(s)

- H302 + H312 + H332 : Harmful if swallowed, in contact with skin or if inhaled.
- H303 : May be harmful if swallowed
- H303 + H313 : May be harmful if swallowed, in contact with skin.
- H311 : Toxic in contact with skin.
- H312 : Harmful in contact with skin.
- H313 : Toxic in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H315 : Causes skin irritation.
- H315 + H320 : Causes skin irritation, Causes eye irritation.
- H315 + H320 + H335 : Causes skin irritation, Causes eye irritation, May cause respiratory irritation.
- H316 : Causes mild skin irritation.
- H317 : May cause an allergic skin reaction.
- H318 : Causes serious eye damage.
- H319 : Causes serious eye irritation.
- H320 : Causes eye irritation.
- H330 : Fatal if inhaled.
- H332 : Harmful if inhaled.
- H333 : May be harmful if inhaled.
- H335 : May cause respiratory irritation.
- H351 : 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.
- P273 : Avoid release to the environment.
- P280 : Wear protective gloves/protective clothing/eye protection/face protection.
- P281 : Use personal protective equipment as required.
- P284 : Wear respiratory protection.
- P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302 + P352 : IF ON SKIN: wash with plenty of soap and water.
- P304 + P341 : IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308 + P313 : IF exposed or concerned: Get medical advice/attention.
- P310 : Immediately call a POISON CENTER or doctor/physician.
- P312 : Call a POISON CENTER or doctor/physician if you feel unwell.
- P342 + P311 : IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.
- P501 : Dispose of contents/container to a licensed disposal company.

(CONTINUED) - SECTION 16: Other Information

DISCLAIMER

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

WARRANTY

• The above information is believed to be correct but does not 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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