

SDS no. PID370
Version 3
Revision date 30/Oct/2018
Supersedes date None



Safety Data Sheet CLEAN UP*

1. Identification of the Substance/Preparation and of the Company/Undertaking

1.1 Product identifier

Product name CLEAN UP*
Product code PID370

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

Recommended Use Detergent.
Uses advised against Consumer use

1.3 Details of the supplier of the safety data sheet

Supplier
M-I L.L.C.
P.O.Box 42842
Houston, TX 77242
www.miswaco.slb.com
Telephone: 1 281-561-1511

M-I SWACO, A Schlumberger Company
200 - 125, 9th Avenue SE
Calgary, Alberta T2G 0P6, Canada
Telephone: 1-780-962-8221

E-mail address SDS@slb.com

Prepared by
Global Regulatory Compliance - Chemicals (GRC - Chemicals)

1.4 Emergency Telephone Number

Emergency telephone (24 Hour) Asia Pacific +65 3158 1074, Europe +44 (0) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, USA +1 281 561 1600, Canada +1 800 579 7421, Argentina: +54 11 5984 3690, Brazil : 0800-720-8000/0800-777-2323 (WGRA)

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS - Classification

Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

Environmental hazards

Chronic aquatic toxicity	Category 3
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Physical Hazards Not classified

2.2 Label elements



Signal word

DANGER

Hazard Statements

- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements

- P273 - Avoid release to the environment
- P280 - Wear protective gloves and eye/face protection
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and 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
- P310 - Immediately call a POISON CENTER or doctor/physician
- P332 + P313 - If skin irritation occurs: Get medical advice/attention

Supplementary precautionary statements

- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P362 - Take off contaminated clothing and wash before reuse
- P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Unknown acute toxicity Not applicable.

3. Composition/information on Ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical Name	CAS No	Weight-%
Amides, C8-18 and C18-unsaturated, N,N-bis(hydroxyethyl)	68155-07-7	7 - 13
Tris(2-hydroxyethyl)ammonium dodecylsulfate	139-96-8	5 - 10
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5 - 10
(2-methoxymethylethoxy)propanol	34590-94-8	5 - 10
2,2'-iminodiethanol	111-42-2	0.1 - 1

Comments

The exact percentage (concentration) of composition has been withheld as a trade secret The product contains other ingredients

which do not contribute to the overall classification.

4. First Aid Measures

4.1 First aid measures

Inhalation	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention if irritation occurs.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.
Eye Contact	Promptly wash eyes with lots of water while lifting eye lids. Remove contact lenses, if worn. Continue to rinse for at least 15 minutes. Seek medical attention at once.

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

General advice The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop, the casualty should be transferred to hospital as soon as possible.

Symptoms

Inhalation	Please see Section 11. Toxicological Information for further information.
Ingestion	Please see Section 11. Toxicological Information for further information.
Skin contact	Please see Section 11. Toxicological Information for further information.
Eye contact	Please see Section 11. Toxicological Information for further information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Water Fog, Alcohol Foam, CO₂, Dry Chemical.

Extinguishing media which must not be used for safety reasons

None known.

5.2. Special hazards arising from the substance or mixture

Unusual fire and explosion hazards

None known.

5.3 Advice for firefighters

Special protective equipment for fire-fighters

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

Special Fire-Fighting Procedures

Containers close to fire should be removed immediately or cooled with water.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. See also section 8.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

Environmental exposure controls

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. After cleaning, flush away traces with water.

6.4 Reference to other sections

See section 13 for more information.

7. Handling and Storage

7.1 Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Avoid spills and splashing during use.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/precautions Ensure adequate ventilation. Keep airborne concentrations below exposure limits.

Storage precautions Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.

Packaging materials Use specially constructed containers only.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	Argentina - Occupational Exposure Limits - TWAs (CMPs)	Brazil - Occupational Exposure Limits - TWAs (LTs)	Mexico - Occupational Exposure Limits - TWAs (LMPE-PPTs)
Amides, C8-18 and C18-unsaturated, N,N-bis(hydroxyethyl)	Not determined	Not determined	Not determined	Not determined	Not determined
Tris(2-hydroxyethyl)ammonium dodecylsulfate	Not determined	Not determined	Not determined	Not determined	Not determined
Alcohols, C11-14-iso-, C13-rich, ethoxylated	Not determined	Not determined	Not determined	Not determined	Not determined

(2-methoxymethylethoxy)propanol	100 ppm	100 ppm TWA 600 mg/m ³ TWA	200 ppm TWA	Not determined	100 ppm TWA VLE-PPT; 60 mg/m ³ TWA VLE-PPT
2,2'-iminodiethanol	1 mg/m ³	Not determined	2 mg/m ³ TWA	Not determined	Not determined

IDLH (Immediately Dangerous to Life or Health)

This product contains substance(s) classified as Immediately Dangerous to Life or Health (IDLH) by the US National Institute for Occupational Safety and Health (NIOSH). The purpose of establishing an IDLH value is to ensure that the worker can escape from a given contaminated environment in the event of failure of the most protective respiratory protection equipment. In the event of failure of respiratory protection equipment every effort should be made to exit immediately.

Chemical Name	IDLH (Immediately Dangerous to Life or Health)
Amides, C8-18 and C18-unsaturated, N,N-bis(hydroxyethyl) 68155-07-7	-
Tris(2-hydroxyethyl)ammonium dodecylsulfate 139-96-8	-
Alcohols, C11-14-iso-, C13-rich, ethoxylated 78330-21-9	-
(2-methoxymethylethoxy)propanol 34590-94-8	600 ppm IDLH
2,2'-iminodiethanol 111-42-2	-

8.2 Exposure controls

A risk assessment is recommended to be performed by a qualified and trained personnel to analyze the worksite and recommends the appropriate controls such as engineering controls, work practice controls, and administrative controls as primary means of reducing employee exposure. When there is a remaining hazards after applying the primary controls, Personal Protective Equipment (PPE) must be used.

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

Engineering Controls

Ensure adequate ventilation. Mechanical ventilation or local exhaust ventilation is required.

Personal protective equipment

Eye protection

Safety glasses with side-shields. Tightly fitting safety goggles.

Hand protection

Impervious gloves made of: Neoprene Nitrile PVC

Break through time >480 minutes

Glove thickness >=0.4 mm

Be aware that liquid may penetrate the gloves. Frequent change is advisable.

Respiratory Protection

All respiratory protection equipment should be used within a comprehensive respiratory protection program that meets the requirements of 29 CFR 1910.134 (U.S. OSHA Respiratory Protection Standard) or local equivalent. If exposed to airborne mist/aerosol of this product, use an organic vapor cartridge with a P-95 pre-filter attached. In work environments containing oil mist/aerosol, use an organic vapor cartridge with a P-95 pre-filter attached. If exposed to vapors from this product, use a NIOSH/MSHA-approved respirator with an organic vapor cartridge.

Skin and body protection

Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place.

Hygiene Measures

Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	No information available
Color	Clear Yellow
Odor	Ammoniacal
Odor threshold	Not applicable

Property	Values	Remarks
pH		
pH @ dilution	8.3	1% solution
Melting / freezing point	No information available	
Boiling point/range	~ 100 °C / ~ 212 °F	
Flash point	> 100 °C / > 212 °F	PMCC
Evaporation rate (BuAc =1)	No information available	
Flammability (solid, gas)	Not applicable	
Flammability Limit in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific gravity	1.02 s.g	20 °C
Bulk density	No information available	
Water solubility	Miscible with water.	
Solubility in other solvents	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
log Pow	Not determined	
Explosive properties	Not applicable	
Oxidizing properties	None known.	

9.2 Other information

Pour point	<= 0°C
Molecular weight	No information available
VOC content(%)	No information available
Density	No information available

Comments

The data listed above are typical physical and chemical properties and should not be construed as product specification.

10. Stability and Reactivity

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of Hazardous Reactions

Hazardous polymerization

Hazardous polymerization does not occur.

10.4 Conditions to avoid

Do not freeze.

10.5 Incompatible materials

No materials to be especially mentioned.

10.6 Hazardous decomposition products

See Section 5.2.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.

Eye contact Causes serious eye damage.

Skin contact Causes skin irritation. Components of the product may be absorbed into the body through the skin.

Ingestion Ingestion may cause stomach discomfort.

LD50 Oral > 2000 mg/kg (based on components) (PRODUCT)

Toxicology data for the components

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Amides, C8-18 and C18-unsaturated, N,N-bis(hydroxyethyl)	No data available	No data available	No data available
Tris(2-hydroxyethyl)ammonium dodecylsulfate	No data available	No data available	No data available
Alcohols, C11-14-iso-, C13-rich, ethoxylated	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	= 5400 µL/kg (Rat)	= 9500 mg/kg (Rabbit)	No data available
2,2'-iminodiethanol	= 620 µL/kg (Rat) = 780 mg/kg (Rat)	= 7640 µL/kg (Rabbit)	No data available

Chemical Name	IARC Group 1 or 2	ACGIH - Carcinogens	OSHA listed carcinogens	NTP
Amides, C8-18 and C18-unsaturated, N,N-bis(hydroxyethyl)	No data available	No data available	No data available	No data available
Tris(2-hydroxyethyl)ammonium dodecylsulfate	No data available	No data available	No data available	No data available
Alcohols, C11-14-iso-, C13-rich, ethoxylated	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	No data available
2,2'-iminodiethanol	Group 2B; Monograph 101 [2013] 2B Group 2B; Monograph 77 [2000]	A3 Confirmed Aminal Carcinogen with unknown Relevance to Humans	Present	No data available

Sensitization This product does not contain any components suspected to be sensitizing.

Mutagenic effects This product does not contain any known or suspected mutagens.

Carcinogenicity This product does not contain any known or suspected carcinogens.

Reproductive toxicity This product does not contain any known or suspected reproductive hazards.

Developmental toxicity Not known to cause birth defects or have a deleterious effect on a developing fetus.

Routes of exposure Skin contact. Eye contact.

Routes of entry	Skin absorption.
Specific target organ toxicity - Single exposure	Not classified
Specific target organ toxicity - Repeated exposure	Not classified.
Aspiration hazard	Not applicable.

12. Ecological Information

12.1 Toxicity

Toxicity to algae

This product is not considered toxic to algae.

Toxicity to fish

This product is not considered toxic to fish.

Toxicity to daphnia and other aquatic invertebrates

This product is not considered toxic to invertebrates.

Chemical Name	Toxicity to fish	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates
Amides, C8-18 and C18-unsaturated, N,N-bis(hydroxyethyl)	No information available	No information available	No information available
Tris(2-hydroxyethyl)ammonium dodecylsulfate	7.2 - 9.3 mg/L LC50 Leuciscus idus 48 h	No information available	12.7 - 44.3 mg/L EC50 Daphnia magna 24 h
Alcohols, C11-14-iso-, C13-rich, ethoxylated	No information available	No information available	No information available
(2-methoxymethylethoxy)propanol	> 10000 mg/L LC50 Pimephales promelas 96 h	No information available	= 1919 mg/L LC50 Daphnia magna 48 h
2,2'-iminodiethanol	600 - 1000 mg/L LC50 Lepomis macrochirus 96 h 1200 - 1580 mg/L LC50 Pimephales promelas 96 h 4460 - 4980 mg/L LC50 Pimephales promelas 96 h	= 7.8 mg/L EC50 Desmodesmus subspicatus 72 h 2.1 - 2.3 mg/L EC50 Pseudokirchneriella subcapitata 96 h	= 55 mg/L EC50 Daphnia magna 48 h

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility

The product is miscible with water. May spread in water systems.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.6 Other adverse effects.

None known.

13. Disposal Considerations

13.1 Waste treatment methods

Disposal Method	Disposal should be made in accordance with federal, state and local regulations.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.

14. Transport information

14.1. UN number

UN No. (DOT)	Not regulated
UN No. (MT/ANTT)	Not regulated
UN No. (TDG)	Not regulated
UN/ID No. (ADR/RID/ADN/ADG)	Not regulated
UN No. (IMDG/ANTAQ)	Not regulated
UN No. (ICAO/ANAC)	Not regulated
UN No. (DPC)	Not regulated

14.2. UN proper shipping name

The product is not covered by international regulation on the transport of dangerous goods

14.3 Hazard class(es)

DOT Hazard class	Not regulated
ANTT Hazard class	Not regulated
TDG Hazard class	Not regulated
ADR/RID/ADN/ADG Hazard class	Not regulated
IMDG/ANTAQ Hazard class	Not regulated
ICAO/ANAC Hazard class/division	Not regulated
DPC Hazard class	Not regulated

14.4 Packing group

DOT Packing group	Not regulated
ANTT Packing group	Not regulated
TDG Packing group	Not regulated
ADR/RID/ADN/ADG Packing group	Not regulated
IMDG/ANTAQ Packing group	Not regulated
ICAO/ANAC Packing group	Not regulated
DPC Packing group	Not regulated

14.5 Environmental hazard

No

14.6 Special precautions

Not applicable

14.7 Transport in bulk according to Annex I/II of MARPOL 73/78 and the IBC Code

Please contact SDS@slb.com for info regarding transport in Bulk.

15. Regulatory Information

International inventories

USA (TSCA)	Complies
Canada (DSL)	Complies
Philippines (PICCS)	Does not comply
Japan (ENCS)	Does not comply
China (IECSC)	Complies
Australia (AICS)	Complies
Korean (KECL)	Complies
New Zealand (NZIoC)	Does not comply

Europe - REACH

All products supplied from the European Economic Area (EEA) are compliant with the REACH Regulation EC 1907/2006. For products supplied from the EEA, Schlumberger and/or its suppliers have pre-registered and is registering all of the substances that it and/or its suppliers manufactures in or imports into the EEA that are subject to Title II of the REACH Regulation. All products supplied from outside the EEA are subject to REACH only if imported into the EEA. The importer of the products must comply with REACH for each imported substance. Contact REACH@slb.com for REACH information.

U.S. Federal and State Regulations

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

Chemical Name	SARA 302 / TPQs	SARA 313	CERCLA RQ
Amides, C8-18 and C18-unsaturated, N,N-bis(hydroxyethyl)	N/A	N/A	N/A
Tris(2-hydroxyethyl)ammonium dodecylsulfate	N/A	N/A	N/A
Alcohols, C11-14-iso-, C13-rich, ethoxylated	N/A	N/A	N/A
(2-methoxymethylethoxy)propanol	N/A	N/A	N/A
2,2'-iminodiethanol	N/A	1.0 %	100 lb final RQ 45.4 kg final RQ

California Proposition 65

WARNING



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical Name	California Proposition 65
2,2'-iminodiethanol 111-42-2	carcinogen

Canadian Classification

This Safety Data Sheet has been prepared in compliance with the Hazardous Products Regulations.

Brazilian Regulations

Brazil Regulation

This SDS was prepared in accordance with Brazil law NBR 14725.

Federal Police

Not determined

Army	Not determined
ANVISA	Not Listed
MTE (NR 15)	No information available

16. Other Information

Revision date 30/Oct/2018

Version 3

This SDS has been revised in the following section(s) 3, 15, 16

HMIS classification

Health	3
Flammability	1
Physical hazard	0
PPE	X

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