



SAFETY DATA SHEET

HC-PREMIER GEL SWEEP Freshwater Gel Sweep

Revision Date 2015-05-19

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : HC- Premier Gel Sweep- Freshwater
Material : Polyacrylamide Copolymer
CAS Number : Mixture
Use : Oilfield fluids Additive
Chemical Formula : Proprietary Blend
Chemical Family : Polyacrylamide polymer
Company : Houston Chemical
PO Box 1183
Cypress, Texas 77429
281-955-0041

Local : Houston Chemical
PO Box 1183
Cypress, Tx 77429
281-955-0041

MSDS Request: N/A
Technical Information: N/A
Responsible Party: Houston Chemical
Email: nick@houstonchem.com

Emergency telephone: (800) -424-9300

Transport:

UN Label : None
Hazardous Class : None
DOT Shipping Name : Not regulated

Hazardous Ingredients : None
Placards : No
Reportable Quantity (RQ) : None
IMO : None
DOT Hazard Class : None
Packaging Size : Drums or Bulk

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

2. HAZARDS IDENTIFICATION

GHS - Classification

: Acute oral toxicity Category 5

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GHS - Labeling

Symbols : Not Required for this product

Signal Word : Warning!

Hazard Statements : H303: May be harmful if swallowed
H313: May be harmful in contact with skin
H242: Heating may cause a fire

Precautionary Statements : **Prevention:**
P201 Obtain special instructions before use
P261 Avoid breathing dust/fumes/gas/mist/vapors/spray
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P304 + P340
keep at rest in a place if INHALED: Remove victim to fresh air and
P312 Call a POISON CENTER or Doctor/ physician if you feel unwell
P370 + P378
manufacturer/ supplier In case of fire: Evacuate area! Use appropriate media for extinction.
Storage:
P403 + P 233
tightly closed. Store in well-ventilated place. Keep container
P406: Store in a corrosive resistant/... container with a resistant inner liner
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant/ facility.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Synonyms : Polyacrylamide polymers
Molecular formula : Proprietary blend

40 CFR 710. Sources of the raw materials used in this product assure that all chemical ingredients are in compliance with section 8 (b), or are otherwise in compliance with the Toxic Substances Control Act.

Chemical Name	CAS-No. / EINECS-No.	Concentration wt. %
Anionic Polyacrylamide Copolymer	N/D	20 - 30
Petroleum Distillate	64747-47-8	50 - 70
Ammonium Chloride	12125-02-9	< 2

4. FIRST AID MEASURES

Threshold Limit Value : N/D ppm TWA (OSHA)

General advice : Move out of dangerous area to fresh air. Consult a physician. Show this Safety Data Sheet to the doctor in attendance. Do not leave the victim unattended. Never give anything by mouth to an unconscious person.

If inhaled/ over exposure effects : Acute, vapors or liquid may be irritating to skin, eyes, mucus membranes
Move to fresh air. If unconscious place in recovery position and seek

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	medical advice. Irritation of respiratory tract, nervous system depression, headaches, dizziness, confusion, unconsciousness, coma. Call a physician or poison control center immediately.		
In case of skin contact	:	If skin irritation persists, call a physician. If on skin, rinse well with water. Wash thoroughly with soap and water. If on clothes, remove clothes.	
In case of eye contact	:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.	
If swallowed	:	Keep respiratory tract clear. Induce vomiting. Do Not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.	
Carcinogenicity	NTP	IARC Monographs	OSHA regulated
	No	No	No

5. FIRE-FIGHTING MEASURES

Flash point	:	> 93.3 °C (200 °F) SETA Flash Closed cup
Lower Flame Limit	:	1.3 % by volume @ 25.0 °C (77 °F)
Upper Flame Limit	:	8.1 % by volume @ 25.0 °C (77 °F)
Auto ignition temperature	:	Not available
Suitable extinguishing	:	Water spray, dry chemical, foam
Unsuitable extinguishing media	:	High volume water jet.
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses. Product very slippery when wet!
Special protective equipment for fire-fighters	:	Wear self contained breathing apparatus for fire fighting if necessary.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately and closed
Fire and explosion	:	Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition. No unusual fire and explosion hazards. Containers may explode from internal pressure.
Hazardous decomposition products	:	From fire: Smoke, Carbon dioxides, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Use proper personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

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Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal. Product very slippery when wet.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Do not breathe vapors/ dust. Avoid exposure, obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/ or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations. Product very Slippery when wet.

Advice on protection against fire and explosion : Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition

Storage

Requirements for storage areas and containers : Prevent unauthorized access. No Smoking! Keep container tightly closed, cool and in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards. Store away from Acids, Oxidizers.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Houston Chemical

Ingredients	Basis	Value	Control Parameters	Note
Anionic Polyacrylimide Copolymer	N/D	TWA	N/D	N/A
Petroleum Distillate	OSHA	TLV	165 ppm	64747-47-8
Ammonium Chloride	N/D	TWA	N/D	12125-02-9

Personal Protective Equipment

Respiratory protection : Use NIOSH approved Organic vapor respirator (mask)
 Ventilation : Required (desired (mechanical exhaust, Local exhaust))

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles. safety glasses with side shields

Skin and body protection : Impervious clothing. Choose body protection according to the amount and concentration of the substance at the work place

Hygiene measures : Avoid contact with skin, eyes and clothing. When using do not

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eat or drink. When using do not smoke. Wash hands before

breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical state : Liquid
Color : Opaque, off white emulsion
Odor : Slight Hydrocarbon

Safety data

Flash point : > 93.3 ° C (200 °F) SETA Flash Closed cup

Lower explosion limit : 1.3 % by volume @ 25.0 ° C (77 °F)

Upper explosion limit : 8.1 % by volume @ 25.0 ° C (77 °F)

Specific Gravity : 1.03 - 1.08 @ 26.7 ° C (80 °F)

Oxidizing properties : No data available

Auto ignition temperature : No data available

Molecular formula : No data available

Molecular Weight : Not applicable

PH : N/D

Freezing point : -28.9 °C (-20 °F)

Boiling point : 100 °C (212 °F)

Vapor pressure : < 10 mm Hg @ 25.0 ° C (77 °F)

Relative density : No data available

Density : No data available

Water Solubility : Soluble with vigorous agitation. Contact with water at a product content greater than 2%.

Partition coefficient: n-octanol/water : No data available

Viscosity, kinematic : No data available

Relative vapor density : >1

Evaporation rate : Not determined

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions

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Conditions to avoid : Avoid contact with strong oxidizers. Avoid contact with heat, light or any other chemicals. Avoid high temperatures, Heat,

flames and sparks. Avoid heating to decomposition.

Materials to avoid : May react with excessive heat, ignition source, strong Oxidizer agents, oxidizing materials and alkaline materials

Chemical Stability : This material is considered **stable** under normal ambient and anticipated storage and handling conditions of temperature and pressure. **Hazardous Polymerization** will not occur
No decomposition if stored and applied as directed.

Hazardous Decomposition : From Fire: smoke, carbon dioxide, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Possible routes of entry : Inhalation? Skin? Ingestion?
Irritant Irritant Irritant

Ingestion : Substance, harmful for ingestion.

Eye contact : Eye irritant. It may cause irreversible damage to the eyes

Skin contact : Contact may cause ulcerations

Sensitization : Not sensitizing

Inhalation : Inhalation is possible only as an aerosol. Irritant to respiratory passages.

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Skin irritation : May cause skin irritation in susceptible persons.

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Eye irritation : May cause irreversible eye damage.

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Aspiration toxicity : Category 2

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Further information : No further toxicity data is available for this product or components

12. ECOLOGICAL INFORMATION

Environmental Distribution : Water is likely to be the main transport medium for the chemical, to estimate its possible environmental distribution.

Primary Biodegradability : The surfactant fulfils the requisite minimum requirements of primary biodegradability

Abiotic Degradability : Not available

Ecotoxicity : Not available

Chemical oxygen demand : Not available

LOG P so/w : Not applicable

BCF : Insufficient available information.

13. DISPOSAL CONSIDERATIONS

The information in this SDS pertains only to the product shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product

: Do not dispose of waste into sewer. Don't contaminate ponds, waterways or ditches with chemical or used containers. Send to a licensed waste management company.

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Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do Not re-use empty containers. Do Not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

The shipping description shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition)

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description of the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

UN Label	None
Hazardous Class	None
DOT shipping name	Not regulated
DOT Placards	None
Reportable Quantity (RQ)	None
IMO	Not available
DOT Hazard Class	None
Packaging Size	Drums or Bulk

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

15. REGULATORY INFORMATION**National Legislation****Notification Status**

EPA Acute	: Yes
EPA Chronic	: No
EPA Ignitability	: No
EPA reactivity	: No
EPA Sudden Release of pressure	: No
Cercla RQ value	: 200,000 lbs. = Ammonium Chloride
Sara TPQ	: None
Sara RQ	: None
Section 313	: None
EPA Hazard waste No.	: N/D
Clean air	: Yes
Clean Water	: Product classified as an oil (sect. 311) CWA (40 CFR 110)

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16. OTHER INFORMATION**Further Information**

Legacy SDS Number : N/A
 Last version date : N/A

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product shipped.

The information provided in the SAFETY DATA SHEET 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 guidance for safe handling, use, processing, storage, transport, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LOAEL	Lowest Observed Adverse Effect Level
AICS	Australia, Inventory of Chemical Substances	NFPA	National Fire Protection Agency
DSL	Canada, Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
NDSL	Canada, Non-Domestic Substances List	NTP	National Toxicology Program
CNS	Central Nervous System	NZIoC	New Zealand Inventory of Chemicals
CAS	Chemical Abstract Service	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration	NOEC	No Observed Effect Concentration
EC50	Effective Concentration 50%	OSHA	Occupational Safety & Health Administration
EINECS	European Inventory of Existing Chemical Substances	PEL	Permissible Exposure Limit
MAK	Germany Maximum Concentration Values	PICCS	Philippines Inventory of Commercial Chemical Substances
GHS	Globally Harmonized System	PRNT	Presumed Not Toxic
>/=	Greater than or equal to	RCRA	Resource Conservation Recovery ACT
IC50	Inhibition Concentration 50%	STEL	Short-Term Exposure Limit
IARC	International Agency for Research on Cancer	SARA	Superfund Amendments and Reauthorization Act.
IECSC	Inventory of Existing Chemical Substances in China	TLV	Threshold Limit Value
ENCS	Japan, Inventory of Existing and New Chemical Substances	TWA	Time Weighted Average
KECI	Korea, Existing Chemical Inventory	TSCA	Toxic Substance Control Act
</=	Less than or equal to	UVCB	Unknown or Variable Composition Biological Materials
LC50	Lethal Concentration 50%	WHMIS	Workplace Hazardous Materials Information System
LD50	Lethal Dose 50%	BOD	Biological Oxygen Demand
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USE ONLY AS A GUIDE

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HAZARD INDEX		PERSONAL PROTECTION INDEX	

4 = SEVERE HAZARD	An asterisk (*) or other designation corresponds to additional information on a data sheet or separate chronic effects notification
3 = SERIOUS HAZARD	
2 = MODERATE HAZARD	
1 = SLIGHT HAZARD	
0 = MINIMAL HAZARD	
Additional Information	

PERSONAL PROTECTION EQUIPMENT

A Safety Goggles	n Splash Goggles	o Face Shield & Eye Protection	p Gloves
q Boots	r Synthetic Apron	s Full Suit	t Dust Respirator
u Vapor Respirator	w Dust & Vapor Respirator	y Full Face Respirator	z Action Hood or Mask

A	
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X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions