Safety Data Sheet - GHS
StaBreak 100

Date of Revision: March 15, 2022

Section 1 - Chemical Product and Company Identification

Product Name	StaBreak 100
Synonyms	Not Applicable
Product Use	Glycol Demulsifier
Restrictions on Use	None known
Supplier	CFR Chemicals 38451 Range Road 22 County of Red Deer T4E 2N6
General Assistance	1 (877) 269-3419
Emergency Telephone	**613-966-6666 (CANUTEC 24 Hour Phone Number)**
Date of Preparation of SDS	**April 1, 2017**

Section 2 – Hazard Identification

Signal Word Danger

GHS Pictogram(s)

Target Organs Narcotic Effects

Hazard Statement:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315 + H320	Causes skin irritation and causes eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H401	Toxic to aquatic life.

Precautionary Statement

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.

P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.

Response

P321	Specific Treatment: see response statements on the label
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE / DOCTOR.
P331	DO NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminate clothing. Rinse skin with water / shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep 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.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use dry chemical or carbon dioxide to extinguish.

Storage

P403 + P233	Store in well-ventilated place. Keep contained tightly closed.
P403 + P235	Store in well-ventilated place. Keep cool.
P405	Store locked up.

Disposal

P501	Dispose of contents/container to an approved waste disposal unit.

GHS Classification

Flammable liquids (Category 3)
Acute toxicity, dermal (Category 4)
Acute toxicity, inhalation (Category 4)
Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2B)
Mutagenicity (Category 1B)
Carcinogenicity (Category 1B)
Reproductive toxicity (Category 2)
Specific target organ toxicity - single exposure (Category 3 respiratory tract irritation)
Specific target organ toxicity - single exposure (Category 3 narcotic effects)
Aspiration hazard (Category 1)
Hazardous to the aquatic environment, acute hazard (Category 2)

HMIS Classification

Health Hazard	**2**
Chronic Health Hazard	*****
Flammability	**3**
Physical Hazards	**0**

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin.

Eye Causes eye irritation.
Ingestion May be harmful if swallowed.

Section 3 – Composition Information on Ingredients

HAZARDOUS INGREDIENT	Hazardous Ingredient, Synonyms	PERCENT	CAS NUMBER
Naptha, petroleum, heavy catalytic reformed**	Heavy aromatic naptha; Heavy aromatic naptha, gasoline re-run overhead; Aromatic hydrocarbon mixture	15 – 40%	64741-68-0
Xylene (o, m, p isomers)	Xylenes; Xylol; methyl toluene, benzene, dimethyl-; dimethylbenzene.	10 – 30%	1330-20-7
Formaldehyde, polymer with 4-nonylphenol and oxirane	Not available	10 – 30%	30846-35-6
Isopropanol	2-propanol; IPA; Isopropyl Alcohol; 1-methylethanol; 1-methylethyl alcohol; 2-hydroxypropane; i-propanol; propan-2-ol; sec-propanol.	1 – 10%	67-63-0
Hexane	n-hexane, normal-Hexane; Hexyl hydride; n-Hexylhydride; n-Caproylhydride; Hexane, normale	1 – 10%	110-54-3
Ethylbenzene	Ethylbenzol; Phenylethane: alpha-Methyltoluene	1 – 5%	100-41-4
Toluene	benzyl hydride; methylbenzene; phenylmethane; toluol.	0.1 – 1%	108-88-3
Napthalene	White tar, Camphor tar, napthaline	0.1 – 1%	91-20-3
1,2,4-Trimethylbenzene	Pseudocumene	0.1 – 1%	95-63-6

* = Various ** = Mixture *** = Proprietary
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Chemical Formula Mixture

Section 4 - First Aid Measures

Inhalation Move victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that vas of vapour is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration

	or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison centre or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.
Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower lids. Check for and remove contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Skin Contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shows. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Get medical attention immediately. Call a poison control centre or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.

Section 5 – Fire-Fighting Measures

Flash Point (°C)	15°C
Flash Point Method	PMCC
Auto Ignition Temperature	No data available.
Conditions of Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/ hot surface.
Extinguishing Media	Dry chemical or carbon dioxide.
Unsuitable Extinguising Media	Water jet.
Unusual Fire/ Explosion Hazard	May form flammable/explosive vapour-air mixtures.
Hazardous Combustion Products	Carbon oxides, formaldehyde.
Fire Fighting Equipment	Wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

Section 6 – Accidental Release Measures

Personal precautions	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapour can accumulate in low areas.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for	

containment and cleaning up	Contain free liquid if possible. Pick up by covering with an activated carbon absorbent or other suitable inert absorbent material (e.g. sand, sawdust, general-purpose binder). Take up & place in closed containers. Ventilate area & wash spill site after material pickup is complete. Contain and dispose of wash water in accordance with local regulations.

Section 7 – Handling and Storage

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.
Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place.
Conditions to avoid	Direct sunlight. Heat, flames and sparks. Ignition sources. Contact with incompatible materials.
Materials to avoid	Strong oxidizing agents. Lewis or mineral acids. Activated carbon.

Section 8 – Exposure Controls / Personal Protection

Occupational Exposure Limits

Ingredient Name	**Exposure Limits**
Kerosene	**Canada, Alberta, Occupational Health and Safety Cote (table 2: OEL)** TWA: 200ppm
Xylene (o, m, p isomers)	**Canada, Alberta, Occupational Health and Safety Cote (table 2: OEL)** TWA: 100ppm, 435 mg/m^3 8 Hours STEL: 150ppm, 651 mg/m^3 15 minutes
Formaldehyde, polymer with 4-nonylphenol and oxirane	**None Established**
Isopropanol	**Canada, Alberta, Occupational Health and Safety Cote (table 2: OEL)** STEL: 400ppm TWA: 200ppm
Petroleum Naptha	**None Established**
Ethylbenzene	**ACGIH** TWA: 20ppm 8 Hours STEL: 10000 ppm 15 minutes **OSHA PEL** TWA: 100 ppm, 435 mg/m^3
Methanol	**Canada, Alberta, Occupational Health and Safety Cote (table 2: OEL)** TWA: 200ppm STEL: 250ppm
Toluene	**Canada, Alberta, Occupational Health and Safety Cote (table 2: OEL)** TWA: 50ppm
Napthalene	**ACGIH TLV** TWA: 10ppm
1,2,4-trimethylbenzene	**Canada, Alberta, Occupational Health and Safety Cote (table 2: OEL)** TWA: 25ppm

Personal protective equipment

Eye/face protection	Chemical safety glasses with side shields to prevent eye contact. As a general rule do not wear contact lenses when handling chemicals.
Skin protection	Wear chemical resistant gloves, impermeable protective clothing and safety shoes.
Respiratory protection	Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary.
General hygiene Considerations	Handle in accordance with good industrial hygiene and safety. Eye wash fountains and safety showers must be easily accessible.
Specific engineering controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use explosion-proof ventilation equipment.

Section 9 – Physical and Chemical Properties

Physical State	Liquid	**Water Solubility**	Insoluble
Appearance & Odour	Clear, Orange liquid. Aromatic odour.	**Boiling Point**	>75°C
Vapour Pressure	Not available	**Boiling Point Range**	Not applicable
Vapour Density	Not available	**Melting Point**	<-35°C
Specific Gravity	0.85 – 0.90	**Freezing Point**	<-35°C
Partition coefficient (n-octonal/water)	Not available	**Lower Explosive Limit (LEL)**	0.7% (est)
pH	Not available	**Upper Explosive Limit (UEL)**	36% (est)
Flashpoint (Method)	15°C (PMCC)	**Auto Ignition temperature**	250°C (est)
Odour Threshold	Not available	**Evaporation Rate**	Not available
Flammability (Solid, Gas)	Not available		
Decomposition Temperature	Not available	**Viscosity**	Not available

Section 10 – Stability and Reactivity

Reactivity	Heating may cause fire.
Chemical stability	Stable under recommended storage conditions and use. May form flammable/explosive vapour-air mixture. Flammable liquid and vapour.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur
Conditions to avoid	Direct sunlight. Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.
Materials to avoid	Strong oxidizing agents. Lewis or mineral acids. Activated carbon.
Hazardous decomposition Products	Carbon oxides. May include formaldehyde, and other irritating gases.

Section 11- Toxicological Information

Information on Likely Routes of Exposure

Inhalation In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

Skin contact Prolonged or frequent contact may cause redness, itching, eczema and skin cracking. Defats the skin.

Eye contact Causes eye irritation.

Ingestion Ingestion of large amounts may cause unconsciousness. However, ingestion may cause nausea, headache, dizziness and intoxication. Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhea. May cause irritation to the mouth and throat.

Acute and Chronic Toxicity No data available

Acute toxicity

Product/Ingredient Name	Result	Species	Dose	Exposure
Naptha, petroleum heavy catalytic reformed	LC50 Inhalation gas	Rat	>5.04mg/L	4 Hr
	LD50 Dermal	Rabbit	>2000mg/kg	24 Hr
Xylene (o, m, p isomers)	LC50 Inhalation gas	Rat	6350ppm	4 Hr
	LD50 Oral	Rat	3253mg/kg	-
	LD50 Dermal	Rabbit	12126mg/kg	24 Hr
Formaldehyde, polymer with 4-nonylphenol and oxirane	No data available			
Isopropanol	LC50 Inhalation gas	Rat	73mg/L	4 Hr
	LD50 Oral	Rat	5045mg/kg	-
	LD50 Dermal	Rabbit	12870mg/kg	-
Ethylbenzene	LD50 Oral	Rat	5.46g/kg	-
	LD50 Dermal	Rabbit	>5000mg/kg	-
Toluene	LC50 Inhalation gas	Rat	>20mg/L	4 Hr
	LD50 Oral	Rat	5580mg/kg	-
	LD50 Dermal	Rabbit	12223mg/kg	-
Napthalene	LD50 Oral	Rat	490 - 1780mg/kg	-
	LD50 Dermal	Rabbit	>20000mg/kg	-
	LC50 Inhalation	Rat	170 mg/m^3	4 Hr
1,2,4-trimethylbenzene	LC50 Inhalation gas	Rat	18000mg/m^3	4 Hr
	LD50 Oral	Rat	50000mg/kg	-

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation

Causes eye irritation.

Respiratory or skin sensitization

No data available

Mutagenicity May cause genetic defects.

Carcinogenicity May cause cancer.

IARC:

Ethylbenzene	2B Possibly carcinogenic to humans
Napthalene	2B Possibly carcinogenic to humans
Xylene (o, m, p isomers)	3 Not classifiable as to carcinogenicity in humans

Reproductive toxicity Suspected of damaging fertility or the unborn child.
Teratogenicity No known significant effects or critical hazards.
Specific target organ toxicity - single exposure (Globally Harmonized System)
May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure (Globally Harmonized System)
Not assigned.
Aspiration hazard
May be fatal if swallowed and enters airways.
Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure
Short Term Exposure
Potential immediate Health Effects No data available.
Potential Delayed Health Effects No data available.
Long Term Exposure
Potential immediate Health Effects No data available**.**
Potential Delayed Health Effects No data available.
Potential Chronic Effects No data available.
Synergistic effects No data available

Section 12 – Ecological Information

Toxicity

Product / Ingredient Name	Result	Species	Exposure
Naptha, petroleum heavy catalytic reformed	Acute EC50 – 11mg/L	Pseudokirchneriella subcaptata	72 Hr
Xylene (o, m, p isomers)	Acute LC50 13.1 - 16.5mg/L	Fish – Lepomis macrochirus	96 Hr
	Acute LC50 13.5 – 17.3mg/L	Fish – Oncorhynchus mykiss	96 Hr
Formaldehyde, polymer with 4-nonylphenol and oxirane	No data available		
Isopropanol	Acute LC50 9640mg/L	Fish – Pimephales promelas	96 Hr
	Acute EC50 5102mg/L	Daphnia – Daphnia magna	24 Hr
Ethylbenzene	Acute LC50 4mg/L	Fish – Oncorhynchus mykiss	96 Hr
	Acute EC50 1 – 4mg/L	Daphnia – Daphnia magna	48 Hr
Toluene	Acute LC50 24mg/L	Fish – Onchohynchus mykiss	96 Hr
	Acute EC50 84mg/L	Daphnia – Daphnia magna	24 Hr
	Acute LC50 13mg/L	Fish – Lepomis macrochirus	96 Hr
Napthalene	Acute LC50 305.2mg/L	Fish – Oncorhynchus mykiss	96 Hr
1,2,4-trimethylbenzene	Acute LC50 7.19 – 8.28mg/L	Fish – Oncorhynchus mykiss	96 Hr

Persistence and degradability
Biodegradability May cause long-term adverse effects in the environment.
Bioaccumulative potential No data available
Mobility in soil No data available
PBT and vPvB assessment No data available
Other adverse effects None known.

Section 13 – Disposal Considerations

Product	This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging	Dispose of as unused product.

Section 14 - Transportation Information

CANADA Transportation of Dangerous Goods (TDG)

Shipping Name	UN1993, Flammable Liquid, N.O.S. (Naptha), 3. PG II
Class	3
UN Number	UN1993
Packaging Group:	II

Section 15 – Regulatory Information

DSL (Canadian Domestic Substances List)
and CEPA (Canadian Environmental Protection Act)

All components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

TSCA Inventory Listed

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

Section 16 – Other Information

REVISION SUMMARY:

Date of Preparation	April 1, 2017
Date of Revision	March 15, 2022

SDS Prepared by: CFR Lab Manager

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