# MATERIAL SAFETY DATA SHEET

G155 Revision Number 3. Revision Date 1/2/07

Product code

Product name

G155 X-200 Concentrated Fuel Conditioner

Chemical characterization

Liquid.

Manufacturer, Importer, supplier Manufactured for:

Chemax Corporation

PO Box 7453

Beaumont, TX 77726

Phone: 800-346-0132

**EMERGENCY TELEPHONE** 

409-866-4232

NUMBER

# **Emergency Overview:**

- . DANGER:
- Flammable liquid
- · Ensure adequate ventilation
- · Keep away from open flames, hot surfaces and sources of ignition
- May be harmful or fatal if swallowed
- Imitating to eyes and skin.
- KEEP OUT OF REACH OF CHILDREN

HMIS (Hezardous Material	Health=2; Fire=3; Reactivity=0		
Information System)	Personal protective equipment = B		
Eye contact	Irritating to eyes. May cause chemical burn.		
Skin contact	Irritating to skin. May cause chemical brun.		
Inhalation	Inhalation may cause headaches, nausea, dizziness, and/or drowziness.		
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.		
General advice Avoid contact with skin and eyes. Avoid breathing vapors or mists.			
Principle Routes of Exposure	Inhalation and Skin contact		

CAS	Chemical Name	% Weight	ī	OSHA*		ACGIH TLV (ppm)
64742-53-6	Petroleum distillates, hydrotreated light naphthenic	70 - 80		5 mg/m3 (mist)		5 mg/m3 (mist)
78-92-2	sec-Butyl alcohol	15 - 25	i	150 ppm	:	100 ppm
1319-77-3	Cresol	< 5.0	i	5 ppm		5 ppm
108-94-1 OSHA - PELS	Cyclohexanone	< 5.0		50 ppm		20 ppm

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Skin contact	Remove and wash contaminated clothing before re-use     Wash off with soap and water
	If skin irritation persists, call a physician
Eye contact	<ul> <li>Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.</li> </ul>
1	<ul> <li>If eye irritation persists, consult a specialist</li> </ul>
inhalation	Move to fresh air
	If not breathing, give artificial respiration

# Ingestion

- · Consult a physician
- . DO NOT INDUCE VOMITING
- · Never give anything by mouth to an unconscious person
- . Clean mouth with water and afterwards drink plenty of water
- Call a physician or Poison Control Centre immediately

# **Aggravated Medical Conditions**

May aggravate existing eye, skin, or upper respiratory conditions

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NFPA (National Fire Protection Association)	Health=2; Fire=3; Reactivity=0; Special = -
Flammability as per USA Flame Projection Test (aerosols)	Not Applicable
Flash point (non-aerosols)	83°F(28.33 °C)
Suitable extinguishing media	Dry chemical (preferred). Carbon dioxide (CO2). Water spray.
Extinguishing media which must not be used for safety reasons	None
Specific Hazards	Keep product and empty container away from heat and sources of ignition
Special protective equipment for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods	Water mist may be used to cool closed containers.

Personal precautions	Ensure adequate ventilation, especially in confined areas. Wear personal protective equipment.
Environmental precautions	Contain spills. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Remove all sources of ignition. Absorb spill with inert material (e.g. dry sand or learth), then place in a chemical waste container. Take up mechanically and collect in suitable container for disposal.

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# Handling

Safe handling advice	 Remove all sources of	prolonged exposure to mist and vapours.

#### Storage

Technical	KEEP OUT OF REACH OF CHILDREN. Keep containers tightly closed in a dry.
measures/Precautions	cool and well-ventilated place. Keep in properly labelled containers. Keep away
	from heat and sources of ignition.

Engineering measures	Ensure adequate ventilation, especially in confined areas			
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators			
Hand protection	Neoprene gloves			
Eye protection	goggles or safety glasses			
Skin and body protection	oil-resistant apron			
lygiene measures	Handle in accordance with good industrial hygiene and safety practice.			
	Keep away from food and drink			
	Wash hands before breaks and at the end of workday			
	When using, do not eat, drink or smoke.			
	Keen working clothes senarately			

# General Information

Form Liquid
Appearance Clear
Colour red
Odour Oily

#### Important Health Safety and Environmental Information

Specific Gravity 0.89

Density @ 68°F (20 °C) 7.42 lbs/gal

pH N/A

Boiling point/range 120°F(48.9 °C) Flash point 83°F(28.33 °C)

Vapour pressure 200mm Hg @ 78F / 20C.

Vapour density 4 (air = 1). Water solubility negligible.

Evaporation Rate 2.0 (butyl acetate = 1)

VOC Content(%) 21-23%; per US EPA Definition - no category

itability	Stable under normal conditions
onditions to avoid	Oxidizing atmospheres. Heat, flames and sparks.
Materials to avoid	Strong oxidizing agents
lazardous decomposition roducts	Carbon oxides
olymerization	Hazardous polymerization does not occur

#### Acute toxicity

# Component Information

CAS	Chemical Name		% Weight	NIOSH - Selected LD50s and LC50s
64742-53-6	Petroleum distillates, light naphthenic	hydrotreated	70 - 80	N/A
78-92-2	sec-Butyl alcohol		15 - 25	Oral LD50 Rat: 2193 mg/kg
.1319-77-3	Cresol		< 5.0	Oral LD50 Rat: 1454 mg/kg; Dermal LD50 Rabbit: 2 g/kg
108-94-1	Cyclohexanone		< 5.0	Inhalation LC50 Rat: 8000 ppm/4H; Oral LD50 Rat: 1620 µL/kg; Dermal LD50 Rabbit: 1 mL/kg

### Product Information

LD50/oral/rat =	Not Determined
LD50/dermal/rat =	Not Determined
Logal effects	MARK CANADA CANA
Skin irritation	Irritating to skin
Eye irritation	Eye irritation
Inhalation	Excessive inhalation may cause irritation of respiratory tract.
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization	May cause sensitization of susceptible persons.
Chronic toxicity	Liver and kidney injuries may occur with prolonged and repeated exposure

#### Ecotoxicity effects

# Component information

CAS	Chemical Name	% Weight	EFFSD*
64742-53-6	Petroleum distillates, hydrotreated light naphthenic	70 - 80	N/A
78-92-2	sec-Butyl alcohol	15 - 25	96 Hr LC50 fathead minnow: 3670 mg/L (flow-through)
1319-77-3	Cresol	< 5.0	96 Hr LC50 fathead minnow: 12.8 mg/L (flow-through)
108-94-1	Cyclohexanone	< 5.0	96 Hr LC50 fathead minnow: 527.0 mg/L (flow- through);96 Hr LC50 rainbow trout: 90.0 mg/L;96 Hr LC50 rainbow trout: 44.0 mg/L

\* EFFSO - Ecotoxicity - Freshwater Fish Species Data

# Product information

Aquatic toxicity Not Determined.

# Other information:

Ozone depiction potential; ODP;	Not Determined.								
(R-11 = 1)									
Global warming potential (GWP)	Not Determined.		•		 	 –		 	
Additional ecological	Not Determined.			.,	 	 	 	 	
information									
Mobility	Not Determined	 ***			 	 ***************************************	 	 	

Bioaccumulative potential Not Determined

# Waste from residues / unused Dispose of in accordance with local regulations. products Contaminated packaging Keep product and empty container away from heat and sources of ignition.

# DOT

UN Number	UN1993
Proper shipping name	Flammable liquid, n.o.s., 3
Packing group	88)
Subsidiary Risk	Not Applicable
Description	Petroleum Oil

# IATA

UN NUMBER	UM 1882
Proper shipping name	Flammable liquid, n.o.s., 3
Packing group	888
Subsidiary Risk	Not Applicable
Description	Petroleum Oil

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# TDG

UN Number	UN1993
Proper shipping name	Flammable liquid, n.o.s., 3
Packing group	865
Subsidiary Risk	Not Applicable
Description	Petroleum Oil

#### U.S. Inventories

CAS	Chemical Name	% Weight	CPCL'	IARC CERCLAISA SARAIII TSCA"
64742-53-6	Petroleum distillates. hydrotreated light naphthenic	70 - 80	N/A	N/A N/A No Present
78-92-2	sec-Butyl alcohol	15 - 25	N/A	N/A N/A Yes Present
1319-77-3	Cresol	< 5.0	N/A	N/A 100 lb final Yes Present RQ: 45.4 kg final RQ
108-94-1	Cyclohexanone	< 5.0	N/A	Monograph   5000 lb final No Present 71, 1999: RQ; 2270 kg Monograph   final RQ 47, 1989

<sup>\*</sup> CPCL - California - Proposition 65 - Cercinogens List

International Inventories

CAS	Chemical Name	% We	ight	DSL - Canada'	WHMIS*	
64742-53-6	Petroleum distillates, hydrotreated lig	ht: 70 -	80	Present	N/A	100
	naphthenic	. i				
78-92-2	sec-Butyl alcohol	· 15 -	25	Present	B2, D2B	
1319-77-3	Cresol	< 5	.0	Present	B3, D1A, €	
108-94-1	Cyclohexanone	: <5	.0	Present	B3, D1B, D2B	

<sup>\*</sup> DSL - Canada - Domestic Substances List (DSL)

Prepared By

D. Padovani (IB). , Regulatory Department. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

End of Safety Data Sheet

<sup>\*</sup> IARC - Group 3 (Not classifiable)

<sup>\*</sup> CERCLA/SARA - Hazardous Substances and their Reportable Quantities

<sup>\*</sup> TSCA - United States - Section 8 (b) Inventory (TSCA)

<sup>\*</sup> WHMIS - Canada - WHMIS - Classifications of Substances