

SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name:	ChemTreat BL1581
Product Use:	Steam Line Treatment
Supplier's Name:	ChemTreat, Inc.
Emergency Telephone Number:	(800)424-9300 (Toll Free)
Address (Corporate Headquarters):	5640 Cox Road Glen Allen, VA 23060
Telephone Number for Information:	(800)648-4579
Date of SDS:	May 6, 2020
Revision Date:	May 6, 2020
Revision Number:	20050601AN

Section 2. Hazard(s) Identification



Signal Word:

DANGER

GHS Classification(s):

Skin corrosion/irritation – Category 1b
Sensitization Skin – Category 1
Eye damage/irritation – Category 1
Flammable Liquids – Category 3
Acute Toxicity Oral – Category 3
Acute Toxicity Inhalation – Category 4
Acute Toxicity Dermal – Category 3
Reproductive Toxicity – Category 2
Specific Target Organ Toxicity – Single Exposure – Category 3

Hazard Statement(s):

H226 Flammable liquid and vapor.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statement(s):



Prevention:

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P263 Avoid contact during pregnancy and while nursing.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 If stored inside, use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.

Response:

P301 + 330 + 331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated 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.
P311 Call a POISON CENTER/doctor.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use extinguishing media suitable to surrounding fire to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

System of Classification Used:

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards Not Otherwise Classified:

None.

Section 3. Composition/Hazardous Ingredients

Component	CAS Registry #	Wt. %
Ethanolamine	141-43-5	10-25
3-Methoxypropylamine	5332-73-0	10-25
Cyclohexylamine	108-91-8	10-25

Comments

If chemical identity and/or exact percentage of composition has been withheld, this information is considered to be a trade secret.

Section 4. First Aid Measures

Inhalation:

Remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Eyes:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Skin:

Wash with plenty of soap and water. Remove/take off all contaminated clothing. Immediately call a POISON CENTER or doctor/physician.

Ingestion:

DO NOT INDUCE VOMITING. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms:

N/D

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:

N/A

Section 5. Fire Fighting Measures

Flammability of the Product:	Flammable liquid.
Suitable Extinguishing Media:	Use extinguishing media suitable to surrounding fire.
Specific Hazards Arising from the Chemical:	If involved in a fire, may release oxides of nitrogen. Product may burn upon heating.
Protective Equipment:	If product is involved in a fire, wear full protective clothing including a positive-pressure, NIOSH approved, self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions:	Wear a self-contained breathing apparatus and appropriate Personal Protective Equipment (PPE).
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.
Methods for Cleaning up:	Eliminate all ignition sources.
Other Statements:	If RQ (Reportable Quantity) is exceeded, report to National Spill Response Office at 1-800-424-8802.

Section 7. Handling and Storage

Handling:	Wear appropriate Personal Protective Equipment (PPE) when handling this product. Do not get in eyes, or on skin and clothing. Wash thoroughly after handling. Do not ingest. Avoid breathing vapors, mist or dust.
Storage:	Store above Freeze Point.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Component	Source	Exposure Limits
Ethanolamine	ACGIH TLV	15 mg/m ³ STEL
	NIOSH	15 mg/m ³ STEL
	OSHA PEL	6 mg/m ³ TWA
3-Methoxypropylamine	N/E	N/E
Cyclohexylamine	ACGIH TLV	41 mg/m ³ TWA

Engineering Controls: Use only with adequate ventilation. The use of local ventilation is recommended to control emission near the source.

Personal Protection

Eyes: Wear chemical splash goggles or safety glasses with full-face shield. Maintain eyewash fountain in work area.

Skin: Wear appropriate chemical resistant gloves.

Respiratory: Under normal use conditions, this product does not create airborne exposures above the OSHA PEL for listed constituents.

Section 9. Physical and Chemical Properties

Physical State and Appearance:	Liquid, Colorless, Clear
Specific Gravity:	0.981 @ 20°C
pH:	11.7 @ 20°C, 1.0%
Freezing Point:	-15.5°F
Flash Point:	134°F
Odor:	Moderate
Melting Point:	N/D
Initial Boiling Point and Boiling Range:	N/D
Solubility in Water:	Soluble
Evaporation Rate:	N/D
Vapor Density:	N/D
Molecular Weight:	N/D
Viscosity:	<100 CPS @ 20°C
Flammability (solid, gas):	N/D
Flammable Limits:	N/A
Autoignition Temperature:	N/D
Density:	8.18 LB/GA



Vapor Pressure: N/D
% VOC: N/A
Odor Threshold: N/D
n-octanol Partition Coefficient: N/D
Decomposition Temperature: N/D

Section 10. Stability and Reactivity

Chemical Stability: Stable at normal temperatures and pressures.

Incompatibility with Various Substances: Acids, Bases.

Hazardous Decomposition Products: Oxides of carbon, Oxides of nitrogen.

Possibility of Hazardous Reactions: None known.

Reactivity: N/D

Conditions To Avoid: N/D

Section 11. Toxicological Information

Acute Toxicity

Chemical Name	Exposure	Type of Effect	Concentration	Species
3-Methoxypropylamine	Oral	LD50	6260 MG/KG	Rat
	Oral	LD50	0.69 G/KG	Rat
	Dermal	LD50	>2 G/KG	Rabbit
	Oral	LD50	690 MG/KG	Rat
Cyclohexylamine	Oral	LD50	156 MG/KG	Rat
	Dermal	LD50	277 MG/KG	Rabbit
ChemTreat BL1581	N/D	N/D	N/D	N/D

Carcinogenicity Category

Component	Source	Code	Brief Description
Ethanolamine	N/E	N/E	N/E
3-Methoxypropylamine	N/E	N/E	N/E
Cyclohexylamine	ACGIH	TLV-A4	Not classifiable as a human carcinogen.

Likely Routes of Exposure: N/D



Symptoms

Inhalation: N/D
Eye Contact: N/D
Skin Contact: N/D
Ingestion: N/D

Skin Corrosion/Irritation: N/D

Serious Eye Damage/Eye Irritation: N/D

Sensitization: N/D

Germ Cell Mutagenicity: N/D

Reproductive/Developmental Toxicity: N/D

Specific Target Organ Toxicity

Single Exposure: N/D

Repeated Exposure: N/D

Aspiration Hazard: N/D

Comments: None.

Section 12. Ecological Information

Ecotoxicity

Species	Duration	Type of Effect	Test Results
N/D	N/D	N/D	N/D

Persistence and Biodegradability: N/D

Bioaccumulative Potential: N/D

Mobility In Soil: N/D

Other Adverse Effects: N/D

Comments: Not tested.

Section 13. Disposal Considerations

Dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Controlling Regulation	UN/NA#:	Proper Shipping Name:	Technical Name:	Hazard Class:	Packing Group:
DOT	UN2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	(3-METHOXYPROPYLAMINE AND ETHANOLAMINE)	8, 3	PGII
IMDG	UN2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	(3-METHOXYPROPYLAMINE AND ETHANOLAMINE)	8, 3	PGII
ICAO	UN2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	(3-METHOXYPROPYLAMINE AND ETHANOLAMINE)	8, 3	PGII
TDG	UN2734	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S.	(3-METHOXYPROPYLAMINE AND ETHANOLAMINE)	8, 3	PGII

Note: N/A

Section 15. Regulatory Information

Inventory Status

United States (TSCA):
Canada (DSL/NDSL):

All ingredients listed or exempt.
All ingredients listed or exempt.



Federal Regulations

SARA Title III Rules

Sections 311/312 Hazard Classes

Fire Hazard:	Yes
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes

Other Sections

Component	Section 313 Toxic Chemical	Section 302 EHS TPQ	CERCLA RQ
Ethanolamine	N/A	N/A	N/A
3-Methoxypropylamine	N/A	N/A	100
Cyclohexylamine	N/A	10000	N/A

Comments: None.

State Regulations

California Proposition 65: None known.

Special Regulations

Component	States
Ethanolamine	CA, ID, IL, MA, ME, MN, PA, WA, WI
3-Methoxypropylamine	MN, PA
Cyclohexylamine	MA, MN, NJ, NY, PA, WA

Compliance Information

NSF: N/A

Food Regulations: N/A

KOSHER: This product has not been evaluated for Kosher approval.

Halal: This product has not been evaluated for Halal approval.

FIFRA: N/A

Other: None

Comments: None.

Section 16. Other Information

HMIS Hazard Rating

Health:	3
Flammability:	3
Physical Hazard:	0
PPE:	X

Notes:

The PPE rating depends on circumstances of use. See Section 8 for recommended PPE.

The Hazardous Material Information System (HMIS) is a voluntary, subjective alpha-numeric symbolic system for recommending hazard risk and personal protection equipment information. It is a subjective rating system based on the evaluator's understanding of the chemical associated risks. The end-user must determine if the code is appropriate for their use.

Abbreviations

Abbreviation	Definition
<	Less Than
>	Greater Than
ACGIH	American Conference of Governmental Industrial Hygienists
EHS	Environmental Health and Safety Dept
N/A	Not Applicable
N/D	Not Determined
N/E	Not Established
OSHA	Occupational Health and Safety Dept
PEL	Personal Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weight Average
UNK	Unknown

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Disclaimer

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