



## Mid-Continent Division

Section 1: Product and Company Identification			
<b>Product Name:</b>	STOP 1101	<b>HMIS:</b>	3-2-0-C-
<b>Function:</b>	Corrosion Inhibitor		
<b>Distributor:</b>	Kel-Tech, A Clariant Company		
<b>Physical Address:</b>	801 Marshall Rd. Clinton, OK 73601	<b>Mailing Address:</b>	P.O. Box 849 Clinton, OK 73601
<b>Phone Number:</b>	(580) 323-8136	<b>Fax Number:</b>	(580) 323-8485
<b>Prepared By:</b>	Kel-Tech, Inc.	<b>Date of Revision:</b>	Monday, December 14, 2015

**24-Hour emergency Phone Number: (800) 424-9300 (CHEMTREC)**  
**Use only for spills and releases.**

Section 2: Hazards Identification
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**Classification of the substance or mixture**
**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

HIGHLY FLAMMABLE LIQUID AND VAPOR - CATAGORY 2  
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS - CATAGORY 1  
MAY CAUSE GENETIC DEFECTS - CATAGORY 1  
SUSPECTED OF CAUSING CANCER - CATAGORY 2  
MAY DAMAGE FERTILITY OR THE UNBORN CHILD - CATAGORY 1  
TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS - CATAGORY 2

For the full text of the H-Statements mentioned in this Section, see Section 16.

**GHS Label elements, including precautionary statements**

Pictogram(s):


**Signal Word: DANGER**

Hazard statement(s)

HIGHLY FLAMMABLE LIQUID AND VAPOR  
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS  
CAUSES SKIN IRRITATION  
MAY BE HARMFUL IF INHALED  
MAY CAUSE GENETIC DEFECTS  
SUSPECTED OF CAUSING CANCER  
MAY DAMAGE FERTILITY OR THE UNBORN CHILD  
TOXIC TO AQUATIC LIFE  
TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Precautionary statement(s)

Ground/bond container and receiving equipment.  
Use explosion-proof equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Dispose of contents/container in accordance with local/regional regulation.  
Store locked up.  
Wash thoroughly after handling.  
Obtain special instructions before use.



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Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell. IF exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. In case of fire: Use agents approved for Class B hazards (i.e. water fog, foam, dry chemical, carbon dioxide) for extinction. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Section 3: Hazardous Ingredients

Table with 4 columns: Component, CAS#, WGT%, OTHER. Rows include Naphtha, petroleum, heavy catalytic reformed and Methanol.

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Get immediate medical attention. Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing, including shoes. Thoroughly clean clothing and shoes before reuse. Get medical attention. Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing is difficult. Keep victim warm and Get immediate medical attention. Ingestion: If swallowed, do not induce vomiting. Keep victims head below knee level to prevent vomit from aspiration into lungs. Get immediate medical attention. NOTE: Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN:

For Methanol: Western Journal of Medicine, March 1985, page 337 reports that when plasma methanol concentrations are higher than 20 mg/deciliter, when ingested doses are greater than 30 milliliters, and when there is evidence of acidosis or visual abnormalities, a 10% solution of ethanol in 5% aqueous dextrose, administered intravenously, is a safe and effective antidote.

Section 5: Fire Fighting Measures

Extinguishing Media: Agents approved for Class B hazards, (i.e. water fog, foam, dry chemical, and carbon dioxide). Special Fire Fighting Procedures: Do not enter confined space without full bunker gear and self-contained breathing apparatus. Treat as Class B oil fire. Keep sealed containers cool with water spray. Unusual Fire and Explosion Hazards: Flammable liquid. Vapor may explode if ignited in enclosed area. Containers may explode from internal pressure if confined to fire. Cool with water.

Section 6: Accidental Release Measures

Steps to be taken in case material is released or spilled: Responders should wear PPE. Evacuate all unnecessary personnel from area. Remove or shut off all sources of ignition. Increase ventilation if possible. Stop leak if possible. Spilled material should be contained and removed by mechanical means, such as, absorbing with inert material and placing it in a properly labeled waste receptacle. Do not let run off water go to lakes, streams, etc.



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**Section 7: Handling and Storage**

**Precautions to be taken in handling and storing:** Use appropriate PPE as outlined in Section VIII. Keep away from ignition sources (e.g., heat, sparks, flames, etc.). Keep container closed. Ground and bond containers when transferring liquids. Use with adequate ventilation. Do not breathe vapors. Do not cut, puncture, or weld on or near this container.

**Conditions for safe storage, including and incompatibilities:** Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage and moisture. Separate from incompatibles, combustibles, organic or other readily oxidizable materials. Containers of this material may be hazardous when empty since they retain product residues (liquid, vapors); observe all warnings and precautions listed for the product. Do not cut, puncture, or weld on or near this container.

**Section 8: Exposure Controls / Personal Protective Measures**

Component	List	Type	Value
Methanol	ACGIH	TWA	200ppm
	ACGIH	STEL	250ppm
	ACGIH	Notation:	End of shift, Methanol in urine 15 mg/L; SKIN
	OSHA	TWA	200ppm

Respiratory Protection: Use OSHA/NIOSH/MSHA approved air supplied respirator for organic vapors. Entry into confined space requires self-contained positive breathing apparatus.

**Ventilation:**  
**Local Exhaust:** Yes, equal to fresh air  
**Mechanical Exhaust:** Exhaust fan recommended to control exposure levels.  
**Special:** Control airborne concentrations below exposure guidelines.

**Personal Protective Equipment:** Chemical resistant gloves (polyvinyl alcohol or Buna-N), chemical splash goggles, chemical resistant footwear, and chemical resistant aprons are recommended when handling the product.

**Other Protective Equipment:** Eye wash and safety showers should be readily available

**Work and Hygienic Practices:** Avoid breathing chemicals, wash hands before eating, drinking or smoking

**Section 9: Physical and Chemical Properties**

<b>Appearance/Odor:</b>	Clear Dark Amber/Solvent		
<b>State:</b>	Liquid	<b>pH:</b>	NA
<b>Specific Gravity (g/ml):</b>	0.886 to 0.896	<b>Solubility in Water:</b>	Not Soluble
<b>Boiling Point:</b>	170°F	<b>Pour Point:</b>	N/D
<b>Flash Point:</b>	59°F	<b>Viscosity (cps):</b>	N/D
<b>UEL (Calculated):</b>	N/A	<b>Vapor Pressure:</b>	N/D
<b>LEL (Calculated):</b>	N/A	<b>Evaporation Rate:</b>	N/D
<b>Auto-ignition Temperature:</b>	N/D	<b>Vapor Density:</b>	N/D
<b>Decomposition Temperature:</b>	N/D	<b>n-Octanol/Water:</b>	N/D

**Section 10: Stability and Reactivity**

<b>Chemical Stability:</b>	This product is stable in closed containers at room temperature.
<b>Conditions to Avoid:</b>	Air exposure and excessive heat.
<b>Incompatible Materials:</b>	Strong acids, bases, strong oxidizers, flame, heat
<b>Decomposition Products:</b>	Thermal Decomposition: Carbon dioxide, Carbon monoxide, smoke and oxides of nitrogen.
<b>Hazardous Polymerization:</b>	Will not occur

**Section 11: Toxicological Information**

No specific toxicity tests have been conducted on this product. Components have shown to be toxic.

**METHANOL** - A human poison by ingestion. Poison experimentally by skin contact. Moderately toxic experimentally by intravenous and intraperitoneal routes. Mildly toxic by inhalation. Human systemic effects: changes in circulation, cough, C46:C47dyspnea, headache, lachrymation, nausea or vomiting, optic nerve neuropathy, respiratory effects, visual field changes. An experimental teratogen. Experimental reproductive effects. An eye and skin irritant. Human mutation data reported. A narcotic. | Its main toxic effect is exerted upon the nervous system, particularly the optic nerves and possibly the retinae. The condition can



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progress to permanent blindness. Once absorbed, methanol is only very slowly eliminated. Coma resulting from massive exposures may last as long as 2–4 days. In the body, the products formed by its oxidation are formaldehyde and formic acid, both of which are toxic. Because of the slow elimination, methanol should be regarded as a cumulative poison. Though single exposures to fumes may cause no harmful effect, daily exposure may result in the accumulation of sufficient methanol in the body to cause illness. Death from ingestion of less than 30 mL has been reported. A common air contaminant.

**TOXICITY DATA:**

*Skin-Rabbit, adult*, 20 mg/24H Moderate irritation effects *Eyes-Rabbit, adult*, 100 mg/24H Moderate irritation effects *DNA Inhibition-Human:lymphocyte*, 300 mmol/L *Microsomal Mutagenicity Assay-Mouse:lymphocyte*, 7900 mg/L *Oral-Rat, adult male*, TDLo: 7500 mg/kg (17-19D preg): Reproductive effects *Inhalation-Rat, adult male*, TCLo: 10,000 ppm/7H (7-15D preg): Teratogenic effects *Intraperitoneal-Mouse*, TDLo: 5 g/kg (male 5D pre): Reproductive effects *Inhalation-Rat, adult male*, TCLo: 20,000 ppm/7H (7-15D preg): Teratogenic effects *Oral-Man*, LDLo: 6422 mg/kg: Central nervous system effects, Pulmonary system effects, Gastrointestinal tract eff *Oral-Man*, TDLo: 3429 mg/kg: Eye effects *Oral-Human*, LDLo: 428 mg/kg: Central nervous system effects, Pulmonary system effects *Oral-Human*, LDLo: 143 mg/kg: Eye effects, Pulmonary system effects, Gastrointestinal tract effects *Oral-Woman*, TDLo: 4 g/kg: Eye effects, Pulmonary system effects, Gastrointestinal tract effects *Inhalation-Human*, TCLo: 86,000 mg/m<sup>3</sup>: Eye effects, Pulmonary system effects *Inhalation-Human*, TCLo: 300 ppm: Eye effects, Central nervous system effects, Pulmonary system effects *Oral-Woman*, TDLo: 4 g/kg *Oral-Rat, adult male*, LD50: 5628 mg/kg *Inhalation-Rat, adult male*, LC50: 64,000 ppm/4H *Intraperitoneal-Rat, adult male*, LD50: 7529 mg/kg *Intravenous-Rat, adult male*, LD50: 2131 mg/kg *Oral-Mouse*, LD50: 7300 mg/kg *Intraperitoneal-Mouse*, LD50: 10,765 mg/kg *Subcutaneous-Mouse*, LD50: 9800 mg/kg *Intravenous-Mouse*, LD50: 4710 mg/kg *Oral-Monkey*, LDLo: 7000 mg/kg *Inhalation-Monkey*, LCLo: 1000 ppm *Skin-Monkey*, LDLo: 393 mg/kg

**NAPHTHA, PETROLEUM, HEAVY CATALYTIC REFORMED** - Low toxicity by ingestion, inhalation, and skin contact. A severe skin irritant.

**TOXICITY DATA:**

*Skin-Rabbit, adult*, 500 mg Severe irritation effects *Oral-Rat, adult male*, LD50: 4800 mg/kg *Inhalation-Rat, adult male*, LC: > 5 g/m<sup>3</sup>/4H *Skin-Rabbit, adult*, LDLo: 2 g/kg

**POLYETHYLENE GLYCOL** - Moderately toxic by intravenous route. A skin and eye irritant.

**TOXICITY DATA:**

*Skin-Rabbit, adult*, 500 mg/24H Mild irritation effects *Eyes-Rabbit, adult*, 500 mg/24H Mild irritation effects *Intravenous-Rat, adult male*, LDLo: 22 g/kg

**Section 12: Ecological Information**

Ecological testing has not been conducted on this product. Material should be considered hazardous to aquatic life.

**Section 13: Disposal Considerations**

**Waste Classification:** Material should be disposed of by incineration or in an approved landfill in accordance with all federal, state, and local regulations. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the products meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting material hazardous. The container of this product can present physical or health hazards, even when emptied! To avoid risk of injury, do not cut, puncture, or weld on or near this container. Since emptied containers retain product residue, follow label warnings even after container is emptied.

**Section 14: Transport Information**

**Department of Transportation**

- DOT Identification Number:** UN1993
- DOT Proper Shipping Name:** UN1993, Flammable liquid, n.o.s., (Contains Petroleum distillates and Methanol), 3, PGII
- DOT Hazard Class:** 3
- DOT Identification Name:** Flammable liquid, n.o.s.
- DOT Packaging Group:** PGII
- RQ:** Methanol (155,572 lbs or 20,939 gallons)
- 2012 ERG Number:** 128



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**Section 15: Regulatory Information**

**CERCLA:** If reportable quantity of this product is accidentally spilled the incident is subject to the provisions of the Comprehensive Environmental Response, Compensation, and Liability Act and must be reported to the National Response Center by calling (800) 424-8802.

<u>CERCLA Component</u>	<u>CAS #</u>	<u>WT. %</u>	<u>RQ, lbs</u>	<u>Product RQ Value</u>
Methanol	67-56-1	3.2	5000	155,572 lbs (20,939 gallons)

**SARA TITLE III:** This product contains the following Extremely Hazardous Substance under EPCRA section 302/304 lists.

<u>EHS Component</u>	<u>CAS #</u>	<u>WT. %</u>	<u>RQ, lbs</u>	<u>TPO, lbs</u>
None				

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

Immediate (Acute) Health: X Delayed (Chronic) Health: X Fire: X Pressure:     reactive:

This product contains the following Section 313 Reportable Ingredients:

<u>313 Component</u>	<u>CAS #</u>	<u>WT. %</u>
Methanol	67-56-1	3.2
Polyethylene Glycol	25322-68-3	0.1

**Section 16: Other Information**

**Hazardous Material Identification System Category Rating:**

<b>Health:</b>	<b>2</b>
<b>Flammability:</b>	<b>3</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>C</b>

**Hazardous Material Identification System Category Rating:**

This rating scheme rates health, fire, and reactivity on a scale of 0 to 4.

0 = No significant hazard 1 = Slight Hazard 2 = Moderate Hazard 3 = High Hazard 4 = Extreme Hazard

Personal Protective Equipment Guide:

- |  |  |
|--|--|
| A = Safety Glasses                                 | G = Safety Glasses, Gloves, Vapor Respirator               |
| B = Safety Glasses, Gloves                         | H = Safety Glasses, Gloves, Apron, Vapor Respirator        |
| C = Safety Glasses/Goggles, Gloves, Apron          | I = Safety Glasses, Gloves, Apron, Dust & Vapor Respirator |
| D = Gloves, Apron, Face shield                     | J = Splash Goggles, Gloves, Apron, Dust & Vapor Respirator |
| E = Safety Glasses, Gloves, Dust Respirator        | K = Air Line Hood/Mask, Gloves, Full Suit, Boots           |
| F = Safety Glasses, Gloves, Apron, Dust Respirator | X = Ask supervisor for special handling instructions       |



Component data taken from Sax's Dangerous properties of Industrial Materials, 10<sup>th</sup> Edition, John Wiley & Sons; Vendor's MSDS Sheets, NIOSH "Pocket Guide to CHEMICAL HAZARDS", U.S. Department of Health and Human Resources, 2007; The Merck Index, 9<sup>th</sup> Edition, Merck & Co., Inc.; "ACGIH 2004 TLVs and BEIs", American Conference of Governmental Industrial Hygienists; "Quick Selection Guide to CHEMICAL PROTECTIVE CLOTHING", 3<sup>RD</sup> Edition, John Wiley & Sons, Inc., 1997.

#### Definitions

ACGIH: American Conference of Governmental & Industrial Hygienists  
ANSI: American National Standard Institute  
BEI: Biological Exposure Indices - individual tests via urine or exhaled air  
CERCLA: Comprehensive Emergency Response, Compensation, and Liability Act  
DOT: U.S. Department of Transportation  
EPA: U.S. Environmental Protection Agency  
HMIS: Hazardous Materials Identification System  
IARC: International Agency For Research On Cancer  
LC<sub>50</sub>: Lethal Concentration 50: A calculated concentration of the substance which is expected to cause death in 50% of an entire defined experimental animal population.  
LCLo: Lethal Concentration Low: The lowest concentration of a material in air (other than LC<sub>50</sub>) that has been reported to have caused death in humans or animals.  
LD<sub>50</sub>: Lethal Dose 50: A calculated concentration of the substance which is expected to cause death in 50% of an entire defined experimental animal population.  
LDLo: Lethal Dose Low: the lowest dose (other than LD<sub>50</sub>) of a material introduced by any route, other than inhalation, over any given period of time in one or more divided portions and reported to have caused death in humans or animals.  
MSHA: Mine Safety and Health Administration  
N/A: Not Applicable  
N/D: Not Determined  
NE: Not Established  
NFPA: National Fire Protective Association  
NIOSH: National Institute for Occupational Safety & Health  
NSF: National Sanitation Foundation  
NTP: National Toxicology Program  
OSHA: U.S. Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
PPE: Personal Protective Equipment  
RCRA: Resource Conservation and Recovery Act  
REL: Recommended Exposure Limit (NIOSH)  
RQ: Reportable Quantity  
SARA: Superfund Amendments and Reauthorization Act of 1986 Title III  
SCBA: Self Contained Breathing Apparatus  
STEL: Short Term Exposure Limit  
TCLo: Toxic Concentration Low: The lowest concentration of a material in air to which humans or animals have been exposed for any given period of time that has produced any toxic effect in humans or produced a carcinogenic, neoplastigenic, or teratogenic effect in animals or humans.  
TLV: Threshold Limit Value: A recommended upper limit or TWA concentration of a substance to which most workers can be exposed without adverse effects.  
TSCA: Toxic Substances Control Act  
TWA: Time Weighted Average  
Wt: Weight  
<: Less Than  
>: Greater Than

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