

# HOT STUFF

## Safety Data Sheet

### SECTION 1: Product and company identification

Product name : HOT STUFF  
Use of the substance/mixture : Cleaner  
Product code : AL91  
Company : GREEN CHEM LABORATORIES  
1650 MARKET STREET  
SUITE 3631  
PHILADELPHIA, PA 19103 - US  
T 1-800-964-3151 - F 1-800-336-9068  
Emergency number : INFOTRAC: 1-800-535-5053 OR 1-352-323-3500

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

GHS-US classification  
Flam. Liq. 2 H225  
Acute Tox. 3 (Oral) H301  
Acute Tox. 3 (Dermal) H311  
Acute Tox. 3 (Inhalation:dust,mist) H331  
Repr. 1B H360  
Lact. H362  
STOT SE 1 H370

#### 2.2. Label elements

GHS US labelling

Hazard pictograms (GHS US) :



GHS02

GHS06

GHS08

Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Highly flammable liquid and vapour.  
Toxic if swallowed, in contact with skin or if inhaled  
May damage fertility or the unborn child.  
May cause harm to breast-fed children.  
Causes damage to organs (central nervous system, blood, eyes).

Precautionary statements (GHS US) :

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground/Bond container and receiving equipment.  
Use explosion-proof electrical, lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Do not breathe fume, mist, spray, vapours.  
Avoid breathing fume, mist, spray, vapours.  
Avoid contact during pregnancy/while nursing.  
Wash thoroughly after handling  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wear eye protection, protective clothing, protective gloves.  
If swallowed: Immediately call a doctor, a POISON CENTER.  
If on skin: Wash with plenty of water.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If exposed: Call a poison center/doctor.  
If exposed or concerned: Get medical advice/attention.  
Call a doctor, a POISON CENTER.  
Call a doctor, a POISON CENTER if you feel unwell.  
Specific treatment (see First aid measures on this label).  
Specific treatment (see First aid measures on this label)  
Rinse mouth.  
Take off immediately all contaminated clothing and wash it before reuse.  
In case of fire: Use dry extinguishing powder, alcohol resistant foam, carbon dioxide (CO<sub>2</sub>) to extinguish.  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.

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Store locked up.  
Dispose of contents/container to comply with local/regional/national/international regulations..

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
methanol	(CAS-No.) 67-56-1	50-70	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Lact., H362 Repr. 1B, H360 STOT SE 1, H370

All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : The effects may be delayed. Keep watching the victim. show this sheet where possible. Get medical advice/attention if you feel unwell. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
- First-aid measures after inhalation : Remove the victim into fresh air. Give oxygen or artificial respiration if necessary. Prompt action is critical. Get immediate medical advice/attention.
- First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Clothing that has become saturated with the product must be removed immediately because the product is absorbed through the skin. Wash immediately with lots of water (15 minutes)/shower. Get medical advice/attention.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Get immediate medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Get immediate medical advice/attention. Prompt action is critical.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Toxic if swallowed, in contact with skin or if inhaled. May damage the unborn child. May cause harm to breast-fed children. Causes damage to organs (central nervous system, blood, eyes).
- Symptoms/effects after inhalation : Toxic if inhaled.
- Symptoms/effects after skin contact : Toxic in contact with skin.
- Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/effects after ingestion : Toxic if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

This material contains methanol, which, when ingested, has caused acidosis, ocular toxicity ranging from diminished visual capacity to complete blindness, and death. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical powder. Carbon dioxide. Alcohol-resistant foam.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour. A methanol fire may not be visible to the naked eye. The vapours are denser than air and may travel along the ground. Distance ignition possible.
- Explosion hazard : Vapours may travel long distances along ground before igniting/flashing back to vapour source.
- Reactivity : Upon combustion: CO and CO2 are formed.

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Cool tanks/drums with water spray/remove them into safety.

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Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. Use special care to avoid static electric charges.

##### 6.1.1. For non-emergency personnel

Protective equipment : Protective goggles. Gloves. Protective clothing.

Emergency procedures : Evacuate unnecessary personnel. No naked flames or sparks. Only qualified personnel equipped with suitable protective equipment may intervene.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Contain released product, pump into suitable containers. Eliminate every possible source of ignition.

Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a soap solution.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. Keep away from sources of ignition - No smoking. Take precautions against electrostatic charges. Use only outdoors or in a well-ventilated area. Remove contaminated clothing immediately. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Do not breathe fume, mist, spray.

Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from: sparks, open flames, excessive heat. Avoid aluminium.

Incompatible products : Oxidizing agent. reactive metals (Al, K, Zn ...).

Incompatible materials : Sources of ignition. Heat sources.

Storage area : Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up.

Special rules on packaging : Keep only in original container. meet the legal requirements.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### methanol (67-56-1)

ACGIH	ACGIH OEL TWA [ppm]	200 ppm
ACGIH	ACGIH OEL STEL [ppm]	250 ppm
ACGIH	Remark (ACGIH)	Headache; eye dam; dizziness; nausea
OSHA	OSHA PEL TWA [1]	260 mg/m <sup>3</sup>
OSHA	OSHA PEL TWA [2]	200 ppm

#### 8.2. Exposure controls

Appropriate engineering controls : Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

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Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Protective goggles. Safety glasses.



Other information : Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear,dark blue,Liquid
Odour	: Methanol
Odour threshold	: No data available
pH	: 7 – 9
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 149 °F Methanol
Flash point	: < 70 °F Closed Cup
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: No data available
Density	: 0.875 g/ml
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
VOC content	: < 70 %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Upon combustion: CO and CO<sub>2</sub> are formed.

#### 10.2. Chemical stability

Highly flammable liquid and vapour. Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

#### 10.4. Conditions to avoid

Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Oxidizing agents. reactive metals (Al, K, Zn ...).

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

##### methanol (67-56-1)

LD50 dermal rabbit	12800 mg/kg
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight

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ATE CLP (vapours)	128.2 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 7 – 9
Serious eye damage/irritation	: Not classified pH: 7 – 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage fertility or the unborn child. May cause harm to breast-fed children.
STOT-single exposure	: Causes damage to organs (central nervous system, blood, eyes).
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: Toxic if inhaled.
Symptoms/effects after skin contact	: Toxic in contact with skin.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: Toxic if swallowed.
Likely routes of exposure	: Skin and eyes contact;Inhalation;Ingestion

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

Transport document description (DOT) : UN1230 Methanol, 3, II  
UN-No.(DOT) : UN1230  
Proper Shipping Name (DOT) : Methanol  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Symbols : D - Proper shipping name for domestic use only, or to and from Canada  
DOT Special Provisions (49 CFR 172.102) : IB2,T7,TP2  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 1 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L  
DOT Vessel Stowage Location : B  
DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

#### Additional information

Emergency Response Guide (ERG) Number : 131

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Other information : When transported by ground, this product may be eligible to be shipped as a Limited Quantity utilizing the exception found at 49 CFR 173.150. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required.

### ADR

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

All components of this product are listed as Active, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

methanol	67-56-1	50-70%
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methanol	(67-56-1)	CERCLA RQ5000 lb
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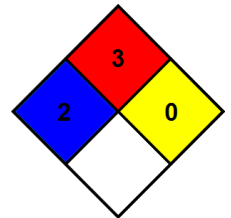
### WARNING

This product can expose you to methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.