



## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA  
GHS

Printing date 16.06.2015

Revision: 16.06.2015

### SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- **1.1 Product identifier**
- **Trade name:** Casite Injector Sting/Complete Fuel System Cleaner
- **Article number:** C175-12, 177-12
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaner for fuel injection systems.
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
Casite Intraco, LLC  
530 Stephenson Highway  
Troy, MI 48083  
Phone: 248-585-6909  
Toll Free: 1-888-CASITE1
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924, +1 (813)248-0585

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1B H350 May cause cancer.

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

- **Additional information:**

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).

The product is classified and labelled according to the CLP regulation.

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- **Hazard pictograms**



GHS02 GHS08

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Stoddard solvent

Solvent naphtha (petroleum), light arom.

- **Hazard statements**

H226 Flammable liquid and vapour.

H340 May cause genetic defects.

H350 May cause cancer.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

- **Precautionary statements**

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 surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/protective clothing/eye protection.

P233 Keep container tightly closed.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P331 Do NOT induce vomiting.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

Restricted to professional users.

- **Hazard description:**

- **WHMIS-symbols:**

As of 11 February 2015, the current WHMIS system is being replaced by the GHS system. This is the classification under the older system.

B2 - Flammable liquid

D1A - Very toxic material causing immediate and serious toxic effects

D2A - Very toxic material causing other toxic effects



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· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



\* - Indicates a long term health hazard from repeated or prolonged exposures.

· **HMIS Long Term Health Hazard Substances**

8052-41-3	Stoddard solvent
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· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 8052-41-3 EINECS: 232-489-3 Index number: 649-345-00-4	Stoddard solvent Flam. Liq. 3, H226 Muta. 1B, H340; Carc. 1B, H350; STOT RE 1, H372; Asp. Tox. 1, H304	50-100%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304	≤ 2,5%
CAS: 95-63-6 EINECS: 202-436-9 Index number: 601-043-00-3	1,2,4-trimethylbenzene Flam. Liq. 3, H226 Aquatic Chronic 2, H411 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤ 2,5%
CAS: 108-67-8 EINECS: 203-604-4 Index number: 601-025-00-5	mesitylene Flam. Liq. 3, H226 Aquatic Chronic 2, H411 STOT SE 3, H335	< 1%
CAS: 732-26-3 EINECS: 211-989-5	Polyolefin alkyl Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 1%

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- **Additional information:**  
For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

## SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
Immediately remove any clothing soiled by the product.  
Take affected persons out into the fresh air.
- **After inhalation:**  
Supply fresh air; consult doctor in case of complaints.  
Provide oxygen treatment if affected person has difficulty breathing.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation is experienced, consult a doctor.
- **After eye contact:**  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.  
A person vomiting while laying on their back should be turned onto their side.
- **4.2 Most important symptoms and effects, both acute and delayed**  
Coughing  
Breathing difficulty  
Gastric or intestinal disorders when ingested.  
Slight irritant effect on skin and mucous membranes.  
Slight irritant effect on eyes.
- **Hazards**  
Danger of pulmonary oedema.  
Danger of impaired breathing.  
Possible risk of irreversible effects.  
Suspected of causing genetic defects.  
May cause cancer.  
May be fatal if swallowed and enters airways.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
If swallowed or in case of vomiting, danger of entering the lungs.  
If necessary oxygen respiration treatment.

## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Foam  
Carbon dioxide  
Gaseous extinguishing agents

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Fire-extinguishing powder

Sand

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

- **5.3 Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

- **Additional information**

Eliminate all ignition sources if safe to do so.

Cool endangered receptacles with water fog or haze.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Protect from heat.

Particular danger of slipping on leaked/spilled product.

- **6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow to penetrate the ground/soil.

- **6.3 Methods and material for containment and cleaning up:**

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to section 13.

Send for recovery or disposal in suitable receptacles.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Rags / metal wools / cuttings / shavings and waste papers soaked with product must be placed in a sealed, metal container rated for flammable waste.

Avoid the formation of oil haze.

- **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

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Protect against electrostatic charges.  
Emergency cooling must be available in case of nearby fire.  
Flammable gas-air mixtures may form in empty receptacles.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidising agents.

· **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

· **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see section 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**8052-41-3 Stoddard solvent**

PEL (USA) Long-term value: 2900 mg/m<sup>3</sup>, 500 ppm

REL (USA) Long-term value: 350 mg/m<sup>3</sup>

Ceiling limit: 1800\* mg/m<sup>3</sup>

\*15-min

TLV (USA) Long-term value: 525 mg/m<sup>3</sup>, 100 ppm

EL (Canada) Short-term value: 580 mg/m<sup>3</sup>

Long-term value: 290 mg/m<sup>3</sup>

EV (Canada) Long-term value: 525 mg/m<sup>3</sup>

**64742-95-6 Solvent naphtha (petroleum), light arom.**

PEL (USA) Long-term value: 50 ppm (Stoddard Solvent) mg/m<sup>3</sup>

TLV (USA) Long-term value: 100ppm (Stoddard Solvent) mg/m<sup>3</sup>

**95-63-6 1,2,4-trimethylbenzene**

IOELV (EU) Long-term value: 100 mg/m<sup>3</sup>, 20 ppm

REL (USA) Long-term value: 125 mg/m<sup>3</sup>, 25 ppm

TLV (USA) Long-term value: 123 mg/m<sup>3</sup>, 25 ppm

· **DNELs** No further relevant information available.

· **PNECs** No further relevant information available.

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

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Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Not required under normal conditions of use.

Use suitable respiratory protective device when aerosol or mist is formed.

Use suitable respiratory protective device when high concentrations are present.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

· **Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

· **Limitation and supervision of exposure into the environment** Avoid release to the environment.

· **Risk management measures** See Section 7 for additional information.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Colour: Blue

· **Odour:** Aromatic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Not Determined.

Boiling point/Boiling range: 148 °C (298 °F)

· **Flash point:** 38 °C (100 °F) (T.C.C.)

· **Flammability (solid, gaseous):** Not applicable.

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- **Auto/Self-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Not determined.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Oxidising properties:** Non-oxidising.
- **Vapour pressure at 20 °C (68 °F):** 0,62 mmHg
- **Density at 20 °C (68 °F):** 0,77 g/cm<sup>3</sup> (6,426 lbs/gal)
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **9.2 Other information:** No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Flammable liquid and vapour.  
Reacts with oxidising agents.  
Reacts with strong acids.  
Used empty containers may contain product gases which form explosive mixtures with air.  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.  
Toxic fumes may be released if heated above the decomposition point.
- **10.4 Conditions to avoid**  
Keep ignition sources away - Do not smoke.  
Store away from oxidising agents.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### LD/LC50 values relevant for classification:

#### 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4h	>10,2 mg/l (rat)

#### Primary irritant effect:

• **Skin corrosion/irritation** Slight irritant effect on skin and mucous membranes.

• **Serious eye damage/irritation** Slight irritant effect on eyes.

• **Respiratory or skin sensitisation** No sensitising effects known.

• **Subacute to chronic toxicity:** May be fatal if swallowed and enters airways.

#### Additional toxicological information:

The product can cause deformations.

Toxic and/or corrosive effects may be delayed up to 24 hours.

0 % of the mixture consists of component(s) of unknown toxicity.

#### Repeated dose toxicity:

May cause damage to organs through prolonged or repeated exposure.

Danger of very serious irreversible effects.

Causes damage to organs through prolonged or repeated exposure.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Muta. 1B, Carc. 1B

• **Germ cell mutagenicity** May cause genetic defects.

• **Carcinogenicity** May cause cancer.

• **Reproductive toxicity** Based on available data, the classification criteria are not met.

• **STOT-single exposure** Based on available data, the classification criteria are not met.

• **STOT-repeated exposure** Causes damage to organs through prolonged or repeated exposure.

• **Aspiration hazard** May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity

• **Aquatic toxicity:** The product contains materials that are harmful to the environment.

• **12.2 Persistence and degradability** No further relevant information available.

• **12.3 Bioaccumulative potential** No further relevant information available.

• **12.4 Mobility in soil** No further relevant information available.

#### Ecotoxicological effects:

#### Remark:

Harmful to fish

The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.

Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

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- **Additional ecological information:**

- **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

This statement was deduced from the properties of the single components.

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

Avoid transfer into the environment.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Contact waste processors for recycling information.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to local official regulations.

## SECTION 14: Transport information

- **14.1 UN-Number**

- **DOT**

NA1993

Reclassified as combustible under US DOT regulations. Labeling is only required for single packages  $\geq 119$  US gal / 450 L to include Combustible symbol and Proper Shipping Name.

UN1268

- **ADR, IMDG, IATA**

- **14.2 UN proper shipping name**



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).

- **DOT**

COMBUSTIBLE LIQUID, N.O.S (STODDARD SOLVENT)

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· <b>ADR</b>	1268 PETROLEUM DISTILLATES, N.O.S. (STODDARD SOLVENT)
· <b>IMDG, IATA</b>	PETROLEUM DISTILLATES, N.O.S. (STODDARD SOLVENT)

· **14.3 Transport hazard class(es)**· **DOT**

· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3

· **ADR**

· <b>Class</b>	3 (F1) Flammable liquids.
· <b>Label</b>	3

· **IMDG, IATA**

· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3
· <b>14.4 Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	III
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Danger code (Kemler):</b>	30
· <b>EMS Number:</b>	F-E,S-E
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

· **Transport/Additional information:**· **ADR**

· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
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· **Transport category**

· <b>Tunnel restriction code</b>	3 D/E
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- **IMDG**

- **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

- **UN "Model Regulation":**

UN1268, PETROLEUM DISTILLATES, N.O.S.  
(STODDARD SOLVENT), 3, III

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **United States (USA)**

- **SARA**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

95-63-6 | 1,2,4-trimethylbenzene

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65 (California):**

- **Chemicals known to cause cancer:**

98-82-8 | cumene

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

- **Carcinogenic Categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

- **Canada**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

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· **Canadian Ingredient Disclosure list (limit 0.1%)**

95-63-6	1,2,4-trimethylbenzene
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108-67-8	mesitylene
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· **Canadian Ingredient Disclosure list (limit 1%)**

8052-41-3	Stoddard solvent
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· **Other regulations, limitations and prohibitive regulations**

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

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

· **15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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**Trade name: Casite Injector Sting/Complete Fuel System Cleaner**

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Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Muta. 1B: Germ cell mutagenicity, Hazard Category 1B  
Carc. 1B: Carcinogenicity, Hazard Category 1B  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

**Sources**

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