

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/21/2014

Reviewed on 03/21/2014

## 1 Identification

- **Product identifier**
- **Trade name:** *Cassette Wash*
- **Article number:** 0345 JLM
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Jamson Laboratories, Inc.  
101 South Bayview Blvd.  
Oldsmar, FL 34677  
USA
- **Information department:** Product Safety Department
- **Emergency telephone number:** ChemTel Inc. (800) 255-3924 Intl. +01 (813) 248-0585



## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

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



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labeling:**

Solvent naphtha (petroleum), light aliph.

- **Hazard statements**

Highly flammable liquid and vapor.

Causes serious eye irritation.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

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Trade name: **Cassette Wash**

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- **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Store locked up.

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

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 3

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

HEALTH	1
FIRE	3
REACTIVITY	0

Health = 1

Fire = 3

Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

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

- **Dangerous components:**

64742-89-8	Solvent naphtha (petroleum), light aliph.	50-100%
67-63-0	propan-2-ol	10-25%

### 4 First-aid measures

- **Description of first aid measures**

- **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Immediately rinse with water.

Generally the product does not irritate the skin.

- **After eye contact:**

Remove contact lenses if able to do so.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

A person vomiting while lying on their back should be turned onto their side.

Do not induce vomiting; immediately call for medical help.

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*If symptoms persist consult doctor.*

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

Gastric or intestinal disorders

Coughing

Unconsciousness

Cramp

Nausea

Dizziness

Headache

· **Danger** Danger of pulmonary edema.

· **Indication of any immediate medical attention and special treatment needed**

Later observation for pneumonia and pulmonary edema.

If swallowed or in case of vomiting, danger of entering the lungs.

## 5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

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

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

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

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

· **Methods and material for containment and cleaning up:**

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· **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.

## 7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

### 67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm BEI

- **Ingredients with biological limit values:**

### 67-63-0 propan-2-ol

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**  
Solvent resistant gloves  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
Neoprene gloves  
PVC or PE gloves  
Nitrile rubber, NBR  
Fluorocarbon rubber (Viton)

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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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **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.

- **Not suitable are gloves made of the following materials:** *Leather gloves*

- **Eye protection:**

*Safety glasses*



*Tightly sealed goggles*

- **Body protection:** *Solvent resistant protective clothing*

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	<i>Liquid</i>
<b>Color:</b>	<i>Clear</i>
<b>Odor:</b>	<i>Solvent-like</i>
<b>Odour threshold:</b>	<i>Not determined.</i>

- **pH-value:** *Not determined.*

- **Change in condition**

<b>Melting point/Melting range:</b>	<i>Undetermined.</i>
<b>Boiling point/Boiling range:</b>	<i>82 °C (180 °F)</i>

- **Flash point:** *13 °C (55 °F)*

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

- **Ignition temperature:** *425 °C (797 °F)*

- **Decomposition temperature:** *Not determined.*

- **Auto igniting:** *Product is not selfigniting.*

- **Danger of explosion:** *Product is not explosive. However, formation of explosive air/vapor mixtures are possible.*

- **Explosion limits:**

<b>Lower:</b>	<i>2.0 Vol %</i>
<b>Upper:</b>	<i>12.0 Vol %</i>

- **Vapor pressure at 20 °C (68 °F):** *43 hPa (32 mm Hg)*

- **Density at 20 °C (68 °F):** *0.815 g/cm<sup>3</sup> (6.801 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.*

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- **Partition coefficient (n-octanol/water):** *Not determined.*
- **Viscosity:**
  - Dynamic: Not determined.*
  - Kinematic: Not determined.*
- **Solvent content:**
  - Organic solvents: 100.0 %*
  - VOC content: 100.0 %*
  - 815.0 g/l / 6.80 lb/gl*
- **Other information** *No further relevant information available.*

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *Reacts with oxidizing agents.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:**
  - Carbon monoxide and carbon dioxide*
  - Hydrocarbons*
  - No dangerous decomposition products known.*

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - on the skin: No irritant effect.*
  - on the eye: Irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**
  - The product shows the following dangers according to internally approved calculation methods for preparations:*
  - Irritant*
- **Carcinogenic categories**

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

67-63-0 | *propan-2-ol*

3

- **NTP (National Toxicology Program)**

*None of the ingredients is listed.*

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behavior in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*

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- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |                                   |  |
|-----------------------------------|--|
| <b>UN-Number</b>                  | UN1993   |
| <b>DOT, IMDG, IATA</b>            |  |
| <b>UN proper shipping name</b>    | Flammable liquids, n.o.s. (Solvent naphtha (petroleum), light aliph., Isopropanol (Isopropyl alcohol)) |
| <b>DOT</b>                        | FLAMMABLE LIQUID, N.O.S. (Solvent naphtha (petroleum), light aliph., ISOPROPANOL (ISOPROPYL ALCOHOL))  |
| <b>IMDG, IATA</b>                 |  |
| <b>Transport hazard class(es)</b> |  |
| <b>DOT</b>                        |  |
|                                   |                     |
| <b>Class</b>                      | 3 Flammable liquids.   |
| <b>Label</b>                      | 3  |
|                                   |  |
| <b>IMDG, IATA</b>                 |  |
|                                   |                     |
| <b>Class</b>                      | 3 Flammable liquids.   |
| <b>Label</b>                      | 3  |
| <b>Packing group</b>              | II   |
| <b>DOT, IMDG, IATA</b>            |  |
| <b>Environmental hazards:</b>     | No   |
| <b>Marine pollutant:</b>          | No   |

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- |  |   |
|--|---|
| <b>· Special precautions for user</b>  |   |
| <b>· Danger code (Kemler):</b>   | 33  |
| <b>· EMS Number:</b>   | F-E,S-E   |
| <b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.   |
| <b>· UN "Model Regulation":</b>  | UN1993, Flammable liquids, n.o.s. (Solvent naphtha (petroleum), light aliph., Isopropanol (Isopropyl alcohol)), 3, II |

## 15 Regulatory information

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

<b>· Section 355 (extremely hazardous substances):</b>	
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None of the ingredients is listed.
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<b>· Section 313 (Specific toxic chemical listings):</b>	
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67-63-0   propan-2-ol
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<b>· TSCA (Toxic Substances Control Act):</b>	
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All ingredients are listed.
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<b>· Proposition 65</b>	
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<b>· Chemicals known to cause cancer:</b>	
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None of the ingredients is listed.
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<b>· Chemicals known to cause reproductive toxicity for females:</b>	
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None of the ingredients is listed.
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<b>· Chemicals known to cause reproductive toxicity for males:</b>	
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None of the ingredients is listed.
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<b>· Chemicals known to cause developmental toxicity:</b>	
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None of the ingredients is listed.
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<b>· Carcinogenic categories</b>	
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<b>· EPA (Environmental Protection Agency)</b>	
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None of the ingredients is listed.
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<b>· TLV (Threshold Limit Value established by ACGIH)</b>	
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67-63-0   propan-2-ol		
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<b>· NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	
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None of the ingredients is listed.
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<b>· OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
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None of the ingredients is listed.
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- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms



GHS02

GHS07

GHS08

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· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

*Solvent naphtha (petroleum), light aliph.*

· **Hazard statements**

*Highly flammable liquid and vapor.*

*Causes serious eye irritation.*

*May cause drowsiness or dizziness.*

*May be fatal if swallowed and enters airways.*

· **Precautionary statements**

*If medical advice is needed, have product container or label at hand.*

*Keep out of reach of children.*

*Read label before use.*

*Keep away from heat/sparks/open flames/hot surfaces. No smoking.*

*IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.*

*IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*

*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.*

*Continue rinsing.*

*Store locked up.*

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

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

## 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.*

· **Department issuing MSDS:** *Environment protection department.*

· **Date of preparation / last revision** *03/21/2014*

· **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*

*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)*

*VOC: Volatile Organic Compounds (USA, EU)*

USA