



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

## 1 Identification

- **Product identifier**
- **Trade name: D-70 spraycan**
- **Article number: 29014**
- **Application of the substance / the mixture**  
NDT Inspection developer "form d & e" per AMS-2644/ASTM E-1417
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
McGean-Rohco, Inc.  
38521 Schoolcraft Road  
Livonia, MI 48150-1085  
USA  
sds.info@mcgean.com
- **Information department: Environmental, Health, and Safety**
- **Emergency telephone number:**  
ChemTel: 1-800-255-3924 within the United States, Canada, Puerto Rico, and the U.S. Virgin Islands.  
Internationally 1-813-248-0585

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Aerosols 1

H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Gases under Pressure - Compressed gas

H280 Contains gas under pressure; may explode if heated.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

(Contd. on page 2)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: **D-70 spraycan**

(Contd. of page 1)

· **Label elements**

· **GHS label elements**

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

· **Hazard pictograms**



GHS02 GHS04 GHS07

· **Signal word** *Danger*

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

*isopropanol*

· **Hazard statements**

*H222 Extremely flammable aerosol.*

*H280 Contains gas under pressure; may explode if heated.*

*H319 Causes serious eye irritation.*

*H336 May cause drowsiness or dizziness.*

· **Precautionary statements**

*P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*

*P211 Do not spray on an open flame or other ignition source.*

*P251 Pressurized container: Do not pierce or burn, even after use.*

*P261 Avoid breathing dust/fume/gas/mist/vapors/spray*

*P264 Wash thoroughly after handling.*

*P271 Use only outdoors or in a well-ventilated area.*

*P280 Wear eye protection / face protection.*

*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.*

*P312 Call a poison center/doctor if you feel unwell.*

*P337+P313 If eye irritation persists: Get medical advice/attention.*

*P403+P233 Store in a well-ventilated place. Keep container tightly closed.*

*P405 Store locked up.*

*P410+P403 Protect from sunlight. Store in a well-ventilated place.*

*P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.*

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

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

(Contd. on page 3)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: **D-70 spraycan**

(Contd. of page 2)

- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 67-63-0	isopropanol	20-50%
CAS: 84133-50-6	Secondary Alcohol Ethoxylate	0.1-0.5%
CAS: 68476-86-8	Petroleum gases, liquefied, sweetened	30-60%

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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 to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.

(Contd. on page 4)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: D-70 spraycan

(Contd. of page 3)

· **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.

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

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

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

· **Storage:**

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

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **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 section 7.

· **Control parameters**

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

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

<b>CAS: 67-63-0 isopropanol</b>	
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: 400 ppm Long-term value: 200 ppm BEI, A4

(Contd. on page 5)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: D-70 spraycan

(Contd. of page 4)

· <b>Ingredients with biological limit values:</b>	
<b>CAS: 67-63-0 isopropanol</b>	
BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)

· **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:**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **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. 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.

(Contd. on page 6)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: D-70 spraycan

(Contd. of page 5)

· Eye protection:



Tightly sealed goggles

## 9 Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Aerosol
Color:	Milky liquid, clear after standing/white sediment
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Freezing point:	Undetermined.
Boiling point/Boiling range:	82 °C (179.6 °F)
· Flash point:	13 °C (55.4 °F)
· Flammability (solid, gaseous):	Not applicable.
· Auto igniting:	425 °C (797 °F)
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	2 Vol %
Upper:	12 Vol %
· Vapor pressure at 20 °C (68 °F):	43 hPa (32.3 mm Hg)
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not applicable.

(Contd. on page 7)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: D-70 spraycan

(Contd. of page 6)

· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	41.9 %
<b>VOC content:</b>	41.95 % 419.5 g/l / 3.50 lb/gal
<b>Solids content:</b>	6.2 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>CAS: 67-63-0 isopropanol</b>		
Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

(Contd. on page 8)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: D-70 spraycan

(Contd. of page 7)

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>	
CAS: 67-63-0 isopropanol	3
· <b>NTP (National Toxicology Program)</b>	
None of the ingredients is listed.	
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
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.

· **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.

(Contd. on page 9)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: D-70 spraycan

(Contd. of page 8)

## 14 Transport information

<ul style="list-style-type: none"> <li>· UN-Number</li> <li>· DOT, IMDG, IATA</li> </ul>	UN1950
<ul style="list-style-type: none"> <li>· UN proper shipping name</li> <li>· DOT</li> <li>· IMDG</li> <li>· IATA</li> </ul>	Aerosols, flammable AEROSOLS AEROSOLS, flammable
<ul style="list-style-type: none"> <li>· Transport hazard class(es)</li> <li>· DOT</li> </ul> 	
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	2.1 Gases 2.1, LQ
<ul style="list-style-type: none"> <li>· IMDG</li> </ul> 	
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	2.1 Gases 2.1/LQ
<ul style="list-style-type: none"> <li>· IATA</li> </ul> 	
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	2.1 Gases 2.1 (LQ)
<ul style="list-style-type: none"> <li>· Packing group</li> <li>· DOT, IMDG, IATA</li> </ul>	Not Regulated for Transport
<ul style="list-style-type: none"> <li>· Environmental hazards:</li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· Special precautions for user</li> <li>· Hazard identification number (Kemler code): -</li> </ul>	Warning: Gases

(Contd. on page 10)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: D-70 spraycan

(Contd. of page 9)

<ul style="list-style-type: none"> <li>· <b>EMS Number:</b></li> <li>· <b>Stowage Code</b></li> <li>· <b>Segregation Code</b></li> </ul>	<p>F-D,S-U SW1 Protected from sources of heat. SW2 Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.</p>
<ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> <li>· <b>DOT</b></li> <li>· <b>Quantity limitations</b></li> </ul>	<p>On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg</p>
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	<p>1L Code: E0 Not permitted as Excepted Quantity</p>
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	UN 1950 AEROSOLS, 2.1

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **Sara**

<ul style="list-style-type: none"> <li>· <b>Section 355 (extremely hazardous substances):</b></li> </ul>		
None of the ingredients is listed.		
<ul style="list-style-type: none"> <li>· <b>Section 313 (Specific toxic chemical listings):</b></li> </ul>		
CAS: 67-63-0	isopropanol	
<ul style="list-style-type: none"> <li>· <b>TSCA (Toxic Substances Control Act):</b></li> </ul>		
CAS: 67-63-0	isopropanol	ACTIVE
CAS: 84133-50-6	Secondary Alcohol Ethoxylate	ACTIVE

(Contd. on page 11)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: D-70 spraycan

(Contd. of page 10)

· <b>Hazardous Air Pollutants</b>		
None of the ingredients is listed.		
· <b>Proposition 65</b>		
· <b>Chemicals known to cause cancer:</b>		
None of the ingredients are listed.		
· <b>Chemicals known to cause reproductive toxicity for females:</b>		
None of the ingredients >0.1% are listed.		
· <b>Chemicals known to cause reproductive toxicity for males:</b>		
None of the ingredients >0.1% are listed.		
· <b>Chemicals known to cause developmental toxicity:</b>		
None of the ingredients >0.1% are listed.		
· <b>Carcinogenic categories</b>		
· <b>EPA (Environmental Protection Agency)</b>		
None of the ingredients is listed.		
· <b>TLV (Threshold Limit Value)</b>		
CAS: 67-63-0	isopropanol	A4
CAS: 14807-96-6	Talc (Mg3H2(SiO3)4)	A4
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
None of the ingredients is listed.		

· **GHS label elements**

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

· **Hazard pictograms**



GHS02 GHS04 GHS07

· **Signal word** Danger

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

isopropanol

· **Hazard statements**

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

Trade name: **D-70 spraycan**

(Contd. of page 11)

· **Precautionary statements**

- P210 *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
- P211 *Do not spray on an open flame or other ignition source.*
- P251 *Pressurized container: Do not pierce or burn, even after use.*
- P261 *Avoid breathing dust/fume/gas/mist/vapors/spray*
- P264 *Wash thoroughly after handling.*
- P271 *Use only outdoors or in a well-ventilated area.*
- P280 *Wear eye protection / face protection.*
- 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.*
- P312 *Call a poison center/doctor if you feel unwell.*
- P337+P313 *If eye irritation persists: Get medical advice/attention.*
- P403+P233 *Store in a well-ventilated place. Keep container tightly closed.*
- P405 *Store locked up.*
- P410+P403 *Protect from sunlight. Store in a well-ventilated place.*
- P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.*
- P501 *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.*

- **Contact:** Jason Wheeler
- **Date of preparation / last revision** 03/21/2023

· **Abbreviations and acronyms:**

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- 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)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Flammable Aerosols 1: Aerosols – Category 1

(Contd. on page 13)



Safety Data Sheet  
acc. to OSHA HCS

Printed on: 03/21/2023

Revision date: 03/21/2023

**Trade name: D-70 spraycan**

(Contd. of page 12)

*Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas*

*Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A*

*Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3*