

D-106 Developer Spray Can

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: D-106 Developer Spray Can
SDS Number: D-106 SC
Revision Date: 6/14/2022
Product Use: NDT Inspection Developer

Supplier Details: Sherwin Inc.
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2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Aerosols, 1
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H222 - Extremely flammable aerosol
H229 - Pressurized container: may burst if heated
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

GHS Precautionary Statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 - Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash ... thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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.
P308 + P311 - IF exposed or concerned: Call a POISON CENTER/doctor/...
P370 + P378 - In case of fire: Use dry chemical, alcohol resistant foam or dry sand to extinguish.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
68476-86-8	40-50%	Propane/ Isobutane
67-64-1	25-50%	2-Propanone
67-63-0	1-20%	2-Propanol

4 FIRST AID MEASURES

- Inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- Skin Contact:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids to facilitate irrigation. Get immediate medical attention.
- Ingestion:** Clean mouth with water. Keep respiratory tract clear.
Do NOT induce vomiting or attempt chemical neutralization. If symptoms persist, call a physician.

5 FIRE FIGHTING MEASURES

- Flash Point:** 12°C (54 °F) 2-propanol
- Flash Point Method:** ASTM D-56
- Autoignition Temp:** 399-425°C-propanol
- Lower Explosive Limit:** 2%(V) 2-propanol
- UEL:** 13%(V) 2-propanol
- Suitable extinguishing agents:** Alcohol resistant foam, dry chemical, carbon dioxide
- Unusual Fire or Explosion Hazards:** Contents under pressure. Extremely flammable
- Special hazards arising from the substance or mixture:** Spray can under pressure. Carbon monoxide and carbon dioxide
- Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit
- Unsuitable extinguishing media:** High volume water jet
- Further information:** Do not allow run-off from fire-fighting to enter drains or water courses. Use a water spray to cool fully closed containers.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
- Environmental precautions:** Do not allow to enter storm sewers/ surface or ground water.
- Methods and material for containment and cleaning up:** Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; DO NOT use combustible materials.

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Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation..Place in a chemical waste container.

7 HANDLING AND STORAGE

Handling Precautions: Keep away from sources of ignition. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Use only outdoors or in a well-ventilated area or with appropriate respiratory equipment. Do not swallow. When using do not eat, drink or smoke. (See section 8)

Storage Requirements: Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Keep containers upright to prevent leakage. Containers may be hazardous when empty since residue liquid may be present

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation for work and storage areas.

Personal Protective Equipment: Chemical resistant gloves;
Chemical safety glasses;
General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits.
Where concentrations are above recommended limits, use an organic vapor respirator with dust, mist, and fume filters;
Impervious clothing.

Exposure Limits:

	USA OSHA TWA/STEL	ACGIH TWA/STEL
67-63-0 Isopropyl alcohol	400/500 ppm	200/400 ppm
67-64-1 Acetone	750/1000 ppm	250/500 ppm
68476-86-8 Propane/butane	TLV(STEL) 1000 ppm	ACGIH

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust)
Total dust 15 mg/m3 Total Dust TLV/TWA 8-hr: 1 mg/m3 (respirable fraction)
 2 mg/m3 Respirable Dust.



General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Do not inhale gases / fumes / aerosols. Wash hands before breaks and at the end of work.



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Avoid contact with eyes and skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder dispersed in solvent, powder settles out and solvent evaporates quickly.		
Physical State:	Liquid in a spray can under pressure	Odor:	Characteristic
Spec Grav./Density:	0.91	Solubility:	Liquid portion is soluble in water
Viscosity:	Not Determined	Flash Point:	-17 °C (1°F) (ASTM D-56), 2-Propanone
Boiling Point:	56°C (133°F), 2-Propanone	Vapor Density:	Not determined
Vapor Pressure:	Not determined	Auto-Ignition Temp:	Not determined
pH:	Not determined	UFL/LFL:	No data available
Evaporation Rate:	Not determined		

10 STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction under normal use.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid Identification:	Elevated temperatures
Materials to Avoid Identification:	Strong Acids; Strong Bases Strong Oxidizing Agents.
Hazardous Decomposition:	Carbon oxides, sulphur oxides
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Skin corrosion/irritation Irritating to skin.

Serious eye damage/irritation Risk of serious damage to eyes.

Inhalation May cause drowsiness, dizziness, headache, nausea vomiting

Respiratory or skin sensitization Do not breathe dust. Inhalation of dust in high concentration may cause irritation of respiratory system

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen for this intended use by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

STOT - single exposure

May cause drowsiness or dizziness



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12 ECOLOGICAL INFORMATION

Ecotoxicity

This product is not classified as environmentally hazardous.

67-64-1 LC50(fish) >4000mg/l, 96 hrs

67-63-0 LC50(fish) >1400mg/l, 96 hrs

Persistency and degradability

No data available.

This product contains powders and the methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential

No data available

Mobility

No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations

Empty containers may retain product residue (liquid and/or vapor) and can be dangerous.

14 TRANSPORT INFORMATION

DOT, IATA, IMDG

UN1950, aerosols,flammable, 2.1

15 REGULATORY INFORMATION

TSCA All components are on the Inventory list

US federal regulations

CERCLA Hazardous Substance List (40 CFR 302.4)

This material does not contain any components with a CERCLA RQ.

SARA 311/312 Hazard classes

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 313 (TRI reporting)

67-63-0 2-Propanol



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Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

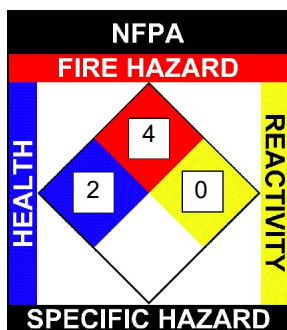
Clean Water Act

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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OTHER INFORMATION

NFPA: Health = 2, Fire = 4, Reactivity = 0, Specific Hazard = n/a



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.

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