

## DR-64

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** DR-64  
**SDS Number:** DR-64  
**Revision Date:** 6/14/2022  
**Product Use:** NDT Inspection Developer

**Supplier Details:** Sherwin Inc.  
5530 Borwick Avenue  
South Gate, CA 90280

**Phone:** 562-861-6324  
**Email:** sherwin@sherwininc.com  
**Internet:** www.sherwininc.com

#### Emergency telephone number:

ChemTel 1-800-255-3924 in U.S.A, Canada, Puerto Rico and US Virgin Islands;  
ChemTel +1-813-248-0585 outside U.S.A, Canada, Puerto Rico and US Virgin Islands  
ChemTel Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and Mexico: 01-800-099-0731

### 2 HAZARDS IDENTIFICATION

#### Classification of Substance

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

Physical, Flammable Liquids, 2  
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:

H225 - Highly flammable liquid and vapour  
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.  
P233 - Keep container tightly closed.  
P240 - Ground and bond container and receiving equipment.  
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.  
P301 + P310 - IF SWALLOWED: Immediately call a doctor  
P302 + P352 - IF ON SKIN: Wash with plenty of water. If irritation persists get medical attention.  
P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position 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.  
P337 + P313 - If eye irritation persists: Get medical advice/attention.  
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:
67-64-1	80-100%	2-Propanone

### 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 occasionally to facilitate irrigation.  
Get immediate medical attention.
- Ingestion:** Do NOT induce vomiting or attempt chemical neutralization. Seek immediate medical attention. For spontaneous vomiting, keep head below hips.

### 5 FIRE FIGHTING MEASURES

- Flash Point:** 12 °C (54 °F)  
**Flash Point Method:** ASTM D-93  
**Autoignition Temp:** Not determined  
**Lower Explosive Limit:** 2%(V)  
**UEL:** 13%(V)  
**Suitable extinguishing agents:** Alcohol-resistant foam, Water fog, Dry chemical, Carbon dioxide

**Special combustion hazards arising from the substance or mixture:** Carbon oxides

**Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit

**Unsuitable extinguishing media:** High volume water jet

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

### 7 HANDLING AND STORAGE

**Handling Precautions:** Avoid contact with eyes, skin, or clothing.  
 Do not breathe vapors.  
 Consider normal working hygiene.  
 Avoid breathing vapors or mist.  
 Keep away from sources of ignition.

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Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.

**Storage Requirements:**

Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully re-sealed and kept upright to prevent leakage.  
Containers may be hazardous when empty since residue liquid may be present

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### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**

Use mechanical (general) ventilation for storage areas to maintain vapor exposure below recommended limits.

**Personal Protective Equipment:**

Chemical resistant gloves;  
Chemical safety glasses;  
No personal respiratory protective equipment normally required. Where concentrations are above recommended limits, use an organic vapor respirator with dust, mist, and fume filters;  
Impervious clothing.

**Exposure Limits:**

67-64-1 Acetone

USA OSHA TWA/STEL  
1000/1000 ppm

ACGIH TWA/STEL  
250/500 ppm



**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 eyes and skin.

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### PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, colorless

**Physical State:** Liquid

**Odor:** Characteristic sweet, aromatic

**Odor Threshold:** 62 ppm

**Spec Grav./Density:** 0.91

**Solubility:** Soluble in water

**Percent Volatile:** 100%

**Viscosity:** Not determined

**Flash Point:** -17°C (1°F) (ASTM D-56)

**Boiling Point:** 56°C (133°F)

**Vapor Density:** Not determined

**Vapor Pressure:** Not determined

**Auto-Ignition Temp:** Not determined

**Evaporation Rate:** 5.6 - 6.1

**UFL/LFL:** Not determined

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### STABILITY AND REACTIVITY

**Reactivity:** No dangerous reaction under normal use.



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**Chemical Stability:** Product is stable under normal conditions.  
**Conditions to Avolidentification:** Elevated temperatures, flame, sparks and other ignition sources.  
**Materials to Avolidentification:** Strong Acids;  
Strong Bases  
Strong Oxidizing Agents.  
**Hazardous Decomposition:** Carbon oxides, sulfur oxides, nitrogen oxides  
**Hazardous Polymerization:** Will not occur.

### 11 TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation: May cause drowsiness and dizziness. Headache. Nausea, vomiting.  
Skin contact: No adverse effects due to skin contact are expected.  
Eye contact: Causes serious eye irritation.  
Ingestion: Expected to be a low ingestion hazard.

#### Information on toxicological effects

**Acute toxicity Not known**  
**Acute dermal** LD50, rabbit 20000mg/kg  
**Oral**, LD50, Rat 5800mg/kg

**Skin corrosion/irritation** May be 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** Due to partial or complete lack of data the classification is not possible.

#### 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 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 OSHA.

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

#### STOT - single exposure

Exposure routes: Inhalation

Target Organs: Central nervous system

Assessment: May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

### 12 ECOLOGICAL INFORMATION

#### Ecotoxicity

This product is not classified as environmentaly hazardous.

Aquatic  
Crustacea EC50 Water flea (Daphnia magna) 10294 - 17704 mg/l, 48 hours  
Fish LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss) 4740 - 6330 mg/l, 96 hours

#### Persistency and degradability

No data available

#### Bioaccumulative potential

No data available



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**Mobility in soil**

No data available

**13****DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable local, state and federal regulations  
Collect all waste in suitable and labeled containers and dispose according to local legislation.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

**14****TRANSPORT INFORMATION**

DOT, IMDG and IATA: UN 1090 Acetone, 3, II

**15****REGULATORY INFORMATION****TSCA** All components are on the Inventory list**US federal regulations****CERCLA Hazardous Substance List (40 CFR 302.4)**

Acetone RQ-5000 lbs.

**SARA 304 Emergency release notification**

Not regulated.

**SARA 311/312 Hazard classes****Classified hazard categories**

- Flammable (gases, aerosols, liquids, or solids)
- Serious eye damage or eye irritation
- Specific target organ toxicity (single or repeated exposure)
- Hazard not otherwise classified (HNOC)

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 313 (TRI reporting)**

67-63-0 Isopropyl alcohol

**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.

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

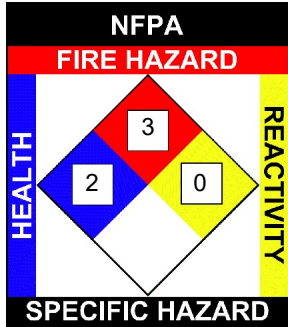


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### OTHER INFORMATION

NFPA: Health = 2, Fire = 3, 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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