

D-350 Bulk

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: D-350 Bulk
SDS Number: D-350 Bulk
Revision Date: 6/14/2022
Product Use: NDT Inspection Developer

Supplier Details: Sherwin Inc.
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Emergency telephone number:

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ChemTel Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and Mexico: 01-800-099-0731

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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:
67-63-0	70-90%	Isopropyl alcohol or Propan-2-ol

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

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls:

Use mechanical (general) ventilation for storage areas to maintain vapor and dust 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:

67-63-0 Isopropyl alcohol

USA OSHA PEL

400 ppm

ACGIH TWA/STEL

200/400 ppm

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.
Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:

White



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Physical State:	Powder dispersed in a solvent that evaporates quickly	Odor:	Alcohol-like, characteristic
Odor Threshold:	200 ppm	Solubility:	Liquid portion is soluble in water
Spec Grav./Density:	0.91	Percent Volatile:	70-80%
Viscosity:	Not determined	Flash Point:	12°C (54°F) (ASTM D-56)
Boiling Point:	180°C (82°F)	Vapor Density:	< 2.1 @ 15 - 20 °C (59 - 68 °F) (Air = 1.0)
Vapor Pressure:	< 45.4 mmHg @ 20 °C (68 °F)	Auto-Ignition Temp:	399 - 425 °C
Evaporation Rate:	<3.9 (Butyl acetate =1)	UFL/LFL:	13%/2%(V)

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, flame, sparks and other ignition sources.
Materials to Avoid Identification:	Strong Acids; Strong Bases Strong Oxidizing Agents.
Hazardous Decomposition:	Carbon oxides, sulfur oxides, nitrogen oxides
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Serious eye damage/irritation

67-63-0:

Result: Causes serious eye irritation

Inhalation

May cause headache, dizziness, tiredness, nausea and vom-iting. Concentrations substantially above the TLV value may cause narcotic effect.

Skin corrosion/irritation

67-63-0:

Species: Rabbit 12,8000 mg/kg

May dry the skin.

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

67-63-0: Assessment: The substance is classified as a specific target organ toxicant, single exposure, category 3 with narcotic effects.

Repeated exposure

Not determined



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12 ECOLOGICAL INFORMATION

Ecotoxicity

This product is not classified as environmentally hazardous.
67-63-0 LC50(fish) >1400mg/l, 96 hrs

Persistence and degradability

67-63-0 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 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, IATA and IMDG: UN 1993 Flammable liquid, n.o.s. (Isopropanol), 3, II

15 REGULATORY INFORMATION

TSCA All components are on the Inventory list

US federal regulations

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

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 Isopropyl alcohol



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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

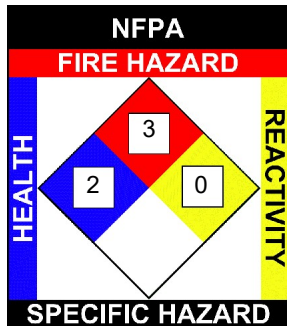
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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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