



RC-50

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: RC-50
SDS Number: RC-50
Revision Date: 6/14/2022
Product Use: NDT Inspection penetrant "Type 1 Methods "B" , "C" and "D" per AMS-2644/ ASTM E-1417

Supplier Details: Sherwin Inc.
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HAZARDS IDENTIFICATION

Classification of Substance

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

Health, Aspiration hazard, 1
 Health, Carcinogenicity, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H304 - May be fatal if swallowed and enters airways
 H351 - Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

GHS Precautionary Statements:

P264 - Wash ... thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P310 - IF SWALLOWED: Immediately call a doctor
 P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
 P331 - Do NOT induce vomiting.
 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:
64742-47-8	20-50%	Distillates (petroleum), hydrotreated light
64742-94-5	<10%	Solvent naphtha, petroleum, heavy arom.
0	10-30%	Highly refined, low viscosity base oil

Hazardous Constituent(s) Contained in Complex Substance(s) required for disclosure Hazardous Constituent(s) Contained in Complex Substance(s) required for disclosure

Complex substance	CAS#	%	Chemical Name:
	64742-94-5		Solvent naphtha, petroleum, heavy arom.
	91-57-6	<2%	Naphthalene, 2-methyl-
	91-20-3	<1%	Naphthalene
	90-12-0	<1%	1-Methylnaphthalene

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 medical attention, if irritation persists.
- Ingestion:** If swallowed, call a poison control centre or doctor immediately. Keep respiratory tract clear. Do NOT induce vomiting or attempt chemical neutralization. If symptoms persist, call a physician.

5 FIRE FIGHTING MEASURES

- Flash Point:** > 93 °C (> 200 °F)
- Flash Point Method:** ASTM D-93
- Autoignition Temp:** Not determined
- Lower Explosive Limit:** Not determined
- UEL:** Not determined
- Suitable extinguishing agents:** Water haze, Foam, ABC powder

Special hazards arising from the substance or mixture: Carbon monoxide, carbon dioxide and phosphorous oxide

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 storm sewers/ surface or ground water.

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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. Consider normal working hygiene.
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

Engineering Controls: Use mechanical (general) ventilation for storage areas.

Personal Protective Equipment: Chemical resistant gloves;
Chemical safety glasses;
No personal respiratory protective equipment normally required. In case of vapor formation or aerosols use an organic vapor respirator with dust, mist, and fume filters;
Impervious clothing.

Exposure Limits:	Component	ACGIH-TWA	OSHA Z1
	Solvent Naphtha (petroleum) heavy arom.	TWA 200 mg/m3(Total vapor)	TWA 2000 mg/m3
	1-Methylnaphthalene	TWA 0.5 ppm	
	2-Methylnaphthalene	TWA 0.5 ppm	
	Naphthalene	TWA 10 ppm	TWA 50 mg/m ³
	Highly refined, low viscosity base oil	5 mg/m3 (mist)	5 mg/m3 (mist) PEL



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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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow fluorescent	Odor:	Mild
Physical State:	Liquid	Solubility:	Not soluble in water
Spec Grav./Density:	0.93	Flash Point:	> 93 °C (> 199 °F) (ASTM D-93)
Viscosity:	Kinematic at 37.8 °C (100 °F): 5.3 cSts (ASTM D455)	Vapor Density:	> 1 @ 20 - 25 °C (68 - 77 °F) (Air = 1.0)
Boiling Point:	240 °C (464 °F)	Auto-Ignition Temp:	No data available
Vapor Pressure:	< 0.1 mmHg @ 20 °C (68 °F)	UFL/LFL:	No data available
pH:	Not applicable		
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:	No dangerous decomposition products known
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Skin corrosion/irritation May dry the skin leading to discomfort and dermatitis.

Serious eye damage/irritation May cause mild, short-lasting discomfort to eyes

Respiratory or skin sensitization Not expected to be a sensitizer.

64742-47-8 Distillates (petroleum), hydrotreated light

Acute oral toxicity: LD/50 (Rat) estimated: >5000 mg/kg
Acute inhalation toxicity: LC/50 > 0.5 mg/l
LC/50 (Rat) (1 hour): >24.1 mg/l

Carcinogenicity Naphthalene, 91-20-3, Caused cancer in laboratory animals, but the relevance to humans is uncertain. Based on assessment of the components.

IARC Naphthalene, 91-20-3 Group 2B possibly carcinogenic to humans carcinogen.

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

NTP Reasonably anticipated to be a human carcinogen.

Reproductive toxicity Not expected to be a reproductive toxicant.

STOT - single exposure No effects on specific target organs have been identified.



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12 ECOLOGICAL INFORMATION

Aquatic toxicity

64742-94-5 Toxic to aquatic life

Persistency and degradability

No data available

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

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

14 TRANSPORT INFORMATION

DOT, IATA, IMDG

Not regulated

15 REGULATORY INFORMATION

Toxic Substances Control Act, TSCA: All components listed

SARA 302: No chemicals in this product are subject to reporting requirements of SARA Title III, Section 302

SARA 304 Emergency release notification: Not regulated.

SARA 311/312 Hazards: Immediate (acute) health hazard, carcinogenic

SARA 313: This product contains a chemical listed: Naphthalene 91-20-3

CERCLA Reportable Quantity: Naphthalene 91-20-3 RQ 100 lbs.

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.



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Safe Drinking Water Act: Not regulated.

Clean Water Act

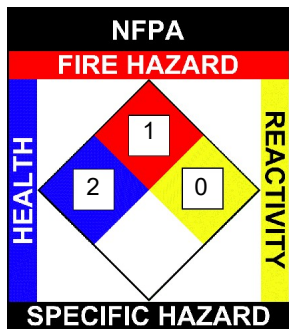
The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311: Naphthalene 91-20-3

Waste Classification: This product does not meet RCRA"s characterisitic definition of ignitibility, corrosivity, or reactivity and is not a listed waste nor listed in 40CFR 261.33

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OTHER INFORMATION

NFPA: Health = 2, Fire = 1, 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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