



TD8 UV Leak Detection Total Dye Concentrate

Safety Data Sheet

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products

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Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : TD8 UV Leak Detection Total Dye Concentrate
Product code : TD8

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Ultraviolet Dye used to detect leaks in automobile motor systems.

1.3. Details of the supplier of the safety data sheet

Tire Seal, Inc.
3574 Corona Street
33461 Lake Worth, Florida - USA
T 561-582-2245 - F 561-582-1499
www.supercool.ac

SDS Preparer Paul J. Erdek

1.4. Emergency telephone number

Emergency number : USA PHONE:1-800-373-7542, INT'L: 1-484-951-2432
DGA/AAG ENVIRONMENTAL CONTRACT: DGA4000-048

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

WHMIS Classification

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



GHS08

Signal word (GHS-US) : Warning

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
1,2-BENZENEDICARBOXYLIC ACID DIC9-11 BRANCHED ALKYLESTERS, C10 RICH	(CAS No) 68515-49-1	40 - 50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
distillates (petroleum), hydrotreated light paraffinic	(CAS No) 64742-55-8	20 - 27	Not classified
distillates (petroleum), hydrotreated light paraffinic	(CAS No) 64742-54-7	15 - 19	Not classified
C.I. acid yellow 73	(CAS No) 518-47-8	1 - 4	Not classified
diphenylamine	(CAS No) 122-39-4	0.1 - 0.8	Not classified
C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate, mixture of isomers	(CAS No) 125643-61-0	0.1 - 0.2	Not classified

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.

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Hand protection	: The use of gloves impervious to the specific material handled is advised to prevent skin contact. Suggested protective material: Nitrile, 4.5 mil thickness, tested at 3.5 ml and above with no breakthrough time after 240 minutes.
Eye protection	: Chemical goggles or safety glasses.
Respiratory protection	: Normally not required. Where there is potential for airborne exposure above the exposure limit an approved air purifying respirator equipped with Type R or P95 particle filters may be used.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Yellow-orange or orange-red.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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diphenylamine (122-39-4)	
ATE (oral)	100.000 mg/kg bodyweight
ATE (dermal)	300.000 mg/kg bodyweight
ATE (dust,mist)	0.500 mg/l/4h
1,2-BENZENEDICARBOXYLIC ACID DIC9-11 BRANCHED ALKYLESTERS, C10 RICH (68515-49-1)	
LD50 oral rat	2000 mg/kg (Rat)
LD50 dermal rabbit	2000 mg/kg (Rabbit)
ATE (oral)	2000.000 mg/kg bodyweight
ATE (dermal)	2000.000 mg/kg bodyweight
Additional information	Di-isodecyl phthalate (DIDP) has been tested in reproductive toxicology studies in laboratory rats (two-generation studies). There were no effects on fertility, reproductive performance, or evidence of alteration of endocrine processes. A small, statistically significant decrease in offspring survival was observed. In evaluating these and related studies, the EU Risk Assessment for DIDP has concluded that classification and labeling is not required for any effect including reproductive and developmental effects. In addition the NTP Center for Evaluation of Risks to Human Reproduction has concluded that there is negligible concern for reproductive effects in adults and minimal concern for developmental effects in fetuses and children due to DIDP exposure.
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Based on available data, the classification criteria are not met
Carcinogenicity	: (Not expected to cause cancer. This oil meets the IP-346 criteria of less than 3 percent PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.)
Reproductive toxicity	: Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met
Aspiration hazard	: Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

diphenylamine (122-39-4)	
Threshold limit other aquatic organisms 1	1000 mg/l (24 h; Pseudomonas fluorescens)
Threshold limit algae 1	0.048 mg/l (72 h; Scenedesmus subspicatus; Inhibitory)

12.2. Persistence and degradability

TD8 UV Leak Detection Total Dye Concentrate	
Persistence and degradability	Not established.
diphenylamine (122-39-4)	
Persistence and degradability	Not established.
distillates (petroleum), hydrotreated light paraffinic (64742-54-7)	
Persistence and degradability	The hydrocarbons in this material are not readily biodegradable, but since they can be degraded by microorganisms, they are regarded as inherently biodegradable.
1,2-BENZENEDICARBOXYLIC ACID DIC9-11 BRANCHED ALKYLESTERS, C10 RICH (68515-49-1)	
Persistence and degradability	Expected to be readily biodegradable.

12.3. Bioaccumulative potential

TD8 UV Leak Detection Total Dye Concentrate	
Bioaccumulative potential	Not established.
diphenylamine (122-39-4)	
Bioaccumulative potential	Not established.
distillates (petroleum), hydrotreated light paraffinic (64742-54-7)	
Bioaccumulative potential	Log Kow values measured for the hydrocarbon components of this material are greater than 5.3, and therefore regarded as having the potential to bioaccumulate. In practice, metabolic processes may reduce bioconcentration.

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1,2-BENZENEDICARBOXYLIC ACID DIC9-11 BRANCHED ALKYLESTERS, C10 RICH (68515-49-1)

Bioaccumulative potential	No bioaccumulation data available.
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12.4. Mobility in soil

distillates (petroleum), hydrotreated light paraffinic (64742-54-7)

Ecology - soil	Volatilization to air is not expected to be a significant fate process due to the low vapor pressure of this material. In water, base oils will float and spread over the surface at a rate dependent upon viscosity. There will be significant removal of hydrocarbons from the water by sediment adsorption. In soil and sediment, hydrocarbon components will show low mobility with adsorption to sediments being the predominant physical process. The main fate process is expected to be slow biodegradation of the hydrocarbon constituents in soil and sediment.
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1,2-BENZENEDICARBOXYLIC ACID DIC9-11 BRANCHED ALKYLESTERS, C10 RICH (68515-49-1)

Surface tension	0.033 N/m
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12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with TDG

TDG

No dangerous good in sense of transport regulations

No dangerous good in sense of transport regulations

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

CANADA

TD8 UV Leak Detection Total Dye Concentrate

WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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15.2. International regulations

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

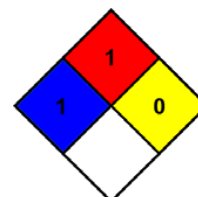
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
H302	Harmful if swallowed
H312	Harmful in contact with skin

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NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS Canada (GHS)

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