

SAFETY DATA SHEETS

This SDS packet was issued with item:

078944669

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078944667 078944668

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 1 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

SECTION 1: Identification

Product identifier

Product name: RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

Product code: 21305966

Recommended use of the product and restriction on use

Relevant identified uses: Laboratory reagent.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Supplier:

United States

Aspen Veterinary Resources, LTD.

3155 W. Heartland Drive

Liberty, MO 64068

1-800-792-1238

Emergency telephone number:

United States

CHEMTREC

Within USA and Canada: 1-800-424-9300 (24 hours)

Outside USA and Canada: +1-703-527-3887 (24 hours)

SECTION 2: Hazard(s) identification

GHS classification:

Flammable liquids, category 2

Specific target organ toxicity - single exposure, category 1

Acute toxicity (oral), category 3

Acute toxicity (dermal), category 3

Acute toxicity (inhalation), category 3

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapor

H370 Causes damage to organs (optic nerve and central nervous system)

H301 Toxic if swallowed

H311 Toxic in contact with skin

H331 Toxic if inhaled

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 2 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P280 Wear protective gloves/protective clothing/eye protection/face protection
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area
P370+P378 In case of fire: Use agents recommended in section 5 to extinguish
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P321 Specific treatment (see supplemental first aid instructions on this label)
P312 Call a POISON CENTER/doctor if you feel unwell
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor
P330 Rinse mouth
P307+P311 IF exposed: Call a POISON CENTER or doctor/physician
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P311 Call a POISON CENTER/doctor
P403+P235 Store in a well-ventilated place. Keep cool
P405 Store locked up
P403+P233 Store in a well-ventilated place. Keep container tightly closed
P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified: None

Supplemental label elements:

5 percent of the mixture consists of ingredient(s) of unknown acute dermal toxicity
5 percent of the mixture consists of ingredient(s) of unknown acute oral toxicity
5 percent of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 67-56-1	Methanol	<100

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance. This product is toxic by one or more routes of exposure (inhalation, ingestion, skin contact). Take precautions to ensure your own safety before attempting rescue. Wear appropriate safety eyewear, gloves, protective clothing and respiratory protection to prevent exposure. See Section 8 of this SDS for personal protective equipment recommendations. Do not use the mouth to mouth method if victim has ingested or inhaled the product. Give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper device.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 3 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses, if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Product is highly flammable. Exposure to sources of ignition may cause physical injury.

Causes damage to organs. Effects are dependent on exposure (dose, concentration, contact time).

Acute oral exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Acute dermal exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Acute inhalation exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Delayed symptoms and effects:

Symptoms of exposure may be delayed.

Immediate medical attention and special treatment

Specific treatment:

Skin/eye burns require immediate treatment.

If exhibiting symptoms of exposure, seek prompt medical attention.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable extinguishing media:

Do not use water jet.

Specific hazards during fire-fighting:

Highly flammable liquid. Will be easily ignitable by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 4 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Evacuate non-essential personnel. Ventilate closed spaces before entering. Consider initial evacuation for 300 meters in all directions. If tank/rail car is involved in the fire, ISOLATE for 800 meters in all directions. Fight fire from a maximum distance. Move containers from fire area if you can do it without risk. Use water spray/fog for cooling fire exposed containers. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Stand by, at a safe distance, with extinguisher ready for possible re-ignition. A vapor-suppressing foam may be used to reduce vapors. Avoid unnecessary run-off of extinguishing media which may cause pollution. Do not handle damaged containers unless specialized to do so.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. All equipment used when handling the product must be grounded. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. A vapor-suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating and lighting equipment. Take action to prevent static discharges. Handle containers with caution. Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 5 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Methanol	67-56-1	8-Hour TWA: 200 ppm
	Methanol	67-56-1	15-Minute STEL: 250 ppm
OSHA	Methanol	67-56-1	8-Hour TWA-PEL: 260 mg/m ³ (200 ppm)
	Methanol	67-56-1	15-Minute STEL: 325 mg/m ³ (250 ppm)
United States(California)	Methanol	67-56-1	15-Minute STEL: 325 mg/m ³ (250 ppm)
	Methanol	67-56-1	PEL Ceiling: 1000 ppm
	Methanol	67-56-1	8-Hour TWA: 260 mg/m ³ (200 ppm)
NIOSH	Methanol	67-56-1	REL-TWA: 260 mg/m ³ (200 ppm [for up to a 10-hour workday during a 40-hour workweek])
	Methanol	67-56-1	15-Minute STEL: 325 mg/m ³ (250 ppm)
	Methanol	67-56-1	IDLH: 6000 ppm

Biological limit values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
ACGIH	Methanol	67-56-1	Methanol	Urine	End of Shift	15 mg/L
	Methanol	67-56-1	Methanol	Urine	End of shift.	15 mg/L

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal protection equipment

Eye and face protection:

Use safety glasses with side shields or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 6 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

recognized national standards (or equivalent) must be worn.

General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Green liquid
Odor	Vinous
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	-98 °C / -144.4 °F
Initial boiling point/range	65 °C / 149° F
Flash point (closed cup)	11 °C / 51.8 °F
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	36%
Lower flammability/explosive limit	6%
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	0.79
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	385 °C / 725 °F
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical stability:

Stable under recommended handling and storage conditions.

Possibility of hazardous reactions:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources, static electricity and incompatible materials. Vapor accumulation in low or confined areas.

Incompatible materials:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 7 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

Oxidizing agents, reducing agents, alkali metals, acids, sodium, potassium, metals as powders, acid chlorides, acid anhydrides.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity

Assessment:

Toxic if swallowed

Toxic in contact with skin.

Toxic if inhaled.

Product data: No data available.

Substance data:

Name	Route	Result
Methanol	Oral ATE	LD50 Rat: 100 mg/kg
	Dermal ATE	LD50 Rabbit: 300 mg/kg
	Inhalation ATE	LC50 Rat: 3 mg/L (4 hr)
	oral	LD50 Rat: 5628 mg/kg
	dermal	LD50 Rabbit: 15,800 mg/kg
	inhalation	LC50 Rat: 64,000 ppmV (4 hr)

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Methanol	Not Applicable

National Toxicology Program (NTP):

Name	Classification
Methanol	Not Applicable

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 8 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

OSHA Carcinogens: Not applicable

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment:

Causes damage to organs.

Product data:

No data available.

Substance data:

Name	Result
Methanol	Causes damage to Optic nerve (nervus opticus), central nervous system.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

Skin contact, eye contact, ingestion and inhalation.

Symptoms related to the physical, chemical and toxicological characteristics:

See section 4 of this SDS.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 9 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

Substance data:

Name	Result
Methanol	Readily biodegradable (97% degradation after 20 days).

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Methanol	Methanol does not significantly bioaccumulate in fish. Experimental BCFs of < 10 in fish species.

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
Methanol	Highly mobile (Koc: 0.13 - 0.61 dimensionless).

Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance data:

PBT assessment:

Methanol	This substance is not PBT.
----------	----------------------------

vPvB assessment:

Methanol	This substance is not vPvB.
----------	-----------------------------

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:


It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	1230
UN proper shipping name	Methanol solution
UN transport hazard class(es)	3 
Packing group	II
Environmental hazards	None
Special precautions for user	None
Passenger air/rail	1 L
Cargo aircraft only	60 L
Stowage category	B

Safety Data Sheet


According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021


Page 10 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

International Maritime Dangerous Goods (IMDG)

UN number	1230
UN proper shipping name	Methanol solution
UN transport hazard class(es)	3 
Packing group	II
Environmental hazards	None
Special precautions for user	None
EMS number	F-E, S-D
Stowage category	B. Clear of living quarters.
Excepted quantities	E2
Limited quantity	1 L

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	1230
UN proper shipping name	Methanol solution
UN transport hazard class(es)	3 
Packing group	II
Environmental hazards	None
Special precautions for user	None
ERG code	3L
Excepted quantities	E2
Passenger and cargo	1 L
Cargo aircraft only	60 L
Limited quantity	1 L

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): All ingredients are listed-active or exempt.

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals:

67-56-1	Methanol	Listed
---------	----------	--------

CERCLA:

67-56-1	Methanol	Listed	5000 lbs
---------	----------	--------	----------

RCRA:

67-56-1	Methanol	Listed	U154
---------	----------	--------	------

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

67-56-1	Methanol	Listed
---------	----------	--------

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 07.27.2021

Page 11 of 11

RAPID DIFFERENTIAL #1 FIXATIVE STAIN LIGHT BLUE

New Jersey Right to Know:

67-56-1	Methanol	Listed
---------	----------	--------


New York Right to Know:

67-56-1	Methanol	Listed
---------	----------	--------

Pennsylvania Right to Know:

67-56-1	Methanol	Listed
---------	----------	--------

California Proposition 65:

 **WARNING:** This product can expose you to Methanol; which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 4-3-0

HMIS: 4-3-0

Initial preparation date: 07.27.2021

End of Safety Data Sheet