

Acid Test Kit™

SECTION 1. IDENTIFICATION

PRODUCT IDENTIFIER:

Acid Test Kit™

OTHER MEANS OF IDENTIFICATION:

ATK-1; ATK-4

RECOMMENDED USE OF THE CHEMICAL:

Please see label for instruction

RESTRICTIONS ON USE:

NOT FOR USE BY THE GENERAL PUBLIC.

INFORMATION PHONE #: +44 1159005858

MANUFACTURED BY:

DiversiTech Corporation
3039 Premiere Parkway
Suite 600
Duluth, GA 30097

MANUFACTURED FOR:

DiversiTech International
Glaisdale Drive East
Nottingham
NG8 4LY
United Kingdom

EMERGENCY PHONE #:

001 +1813 248 0585 Chem-Tel
(Chemical Emergencies)

SECTION 2. HAZARD IDENTIFICATION

CLASSIFICATION OF THE CHEMICAL:

Flammable Liquid, category 2

Eye Irritation, category 2

Skin Irritation, category 2

STOT-SE, category 3 (drowsiness)

STOT-RE, category 2

Acute Toxicity – Oral, category 4

Acute Toxicity – Dermal, category 4

Acute Toxicity – Inhalation (vapours), category 4

Reproductive Toxicity, category 2

Aquatic Chronic Toxicity, category 3

HAZARD SYMBOL(S):



SIGNAL WORD: Danger

HAZARD STATEMENT(S)

- H225 Highly flammable liquid and vapor.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging fertility or the unborn child via inhalation.
- H370 Causes damage to organs, eyes, skin, respiratory system, central nervous system.
- H373 May cause damage to organs found in the central nervous system through prolonged or repeated exposure
- H412 Harmful to aquatic life with long lasting effects.

RESPONSE

- P301+310+330 IF SWALLOWED: Immediately call a poison control center. Rinse mouth. Do NOT induce vomiting.
- P331 Do NOT induce vomiting.
- P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse.
- +364
- P352 Wash with plenty of water.
- P332+313 If skin irritation occurs, get medical attention.
- P312 Call a doctor if you feel unwell.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+313 If eye irritation persists: Get medical advice.
- P304+340+312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
- P308+313 If exposed, call a doctor.
- P370+378 IN CASE OF FIRE: Use foam or Carbon Dioxide extinguishing media to extinguish.

Acid Test Kit™

PRECAUTIONARY STATEMENT(S)

- P102 Keep out of reach of children.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P235 Keep cool.
- P240 Ground or bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating, lighting, and other equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe vapours.
- P261 Avoid breathing mists or vapours.
- P264 Wash hands and exposed skin thoroughly after handling.
- P270 Do not eat, drink, or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P391 Collect spillage.
- P403 Store in a well-ventilated place.
- P405 Store locked up.
- P501 Dispose of container in accordance with local.

HAZARD(S) NOT OTHERWISE CLASSIFIED:

None known

This product does not contain substances identified as PBT or vPvB.

This product does not have a workplace exposure limit.

SECTION 3. INFORMATION ON INGREDIENTS

INGREDIENT	EC No.	CAS No.	WT%	GHS CLASSIFICATION(S)
Toluene	203-625-9	108-88-3	45-55%	Flam Liq. 2; Skin Irrit. 2; Repro 2; STOT-SE 3(d); STOT-RE 2; Asp 1
Methanol	200-659-6	67-56-1	40-45%	Flam Liq. 2; Acute Tox 3(o)(d)(i); STOT-SE 1
Isopropyl Alcohol	200-611-7	67-63-0	5-15%	Flam Liq. 2; Eye Irrit. 2a; STOT-SE 3(d)

NOTE:

This product may contain other ingredients that are not required to be disclosed on this safety data sheet or product label in accordance with Regulation EC No. 1272/2008 (CLP). Any ingredient not listed on either the SDS or label is not considered hazardous to health and shouldn't pose a risk to the user.

Acid Test Kit™

SECTION 4. FIRST AID MEASURES

GENERAL FIRST AID MEASURES:

If medical attention is required due to exposure then be sure to take product label or safety data sheet when seeking medical care.

IF INHALED:

Move person to fresh air and keep at a comfortable position for breathing. Administer artificial respiration if person is not breathing. If breathing is difficult, give oxygen.

IF IN EYES:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper lids occasionally.

INDICATION OF IMMEDIATE MEDICAL ATTENTION:

Not anticipated to require immediate medical attention.

MOST IMPORTANT SYMPTOMS:

Burning sensation in nose and throat, stinging and watering in the eyes. Dizziness, nausea and vomiting. Defatting and drying of the skin. If aspirated, causes coughing, gagging, distress, and rapidly developing pulmonary edema.

IF ON SKIN:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

IF SWALLOWED:

DO NOT INDUCE VOMITING! Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Apply alcohol-type or all-purpose foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

SPECIFIC HAZARDS:

Vapors may travel to source of ignition and flash back. Vapors may settle in low or confined spaces or produce a floating fire hazard. Static ignition hazard can result from handling and use.

SPECIAL PROTECTIVE EQUIPMENT:

In case of fire, wear full protective clothing and a self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

UNSUITABLE EXTINGUISHING MEDIA:

Direct water jet.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

PRECAUTIONS FOR FIRE-FIGHTERS:

Do not allow run-off from fire fighting to enter drains or water courses - may cause explosion hazard in drains and may reignite on surface water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Remove non-emergency personnel from the area in an orderly fashion.

PROTECTIVE EQUIPMENT:

Use appropriate chemical-resistant gloves and eye protection.

EMERGENCY PROCEDURE(S):

Eliminate all ignition sources. Ground all equipment. Do not walk through spill. Beware of accumulation of vapours in low or contained areas, where explosive concentrations may occur. Prevent entry into sewers, confined spaces, etc.

Acid Test Kit™

METHODS FOR CONTAINMENT:

Cover drains and ventilate area to prevent vapor build-up.

REFERENCES:

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

METHODS FOR CLEAN UP:

For large spills, use a vapour suppressing foam to reduce vapors. Absorb spill with noncombustible matter and transfer to containers. Use non-sparking tools to collect absorbed material.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Keep away from all ignition sources. Do not smoke while handling. Ensure there is sufficient ventilation of the area. Protect from physical damage.

STORAGE INCOMPATIBILITIES:

Heat, sparks, and flame.

SPECIFIC END USE:

Refrigeration oil acid testing.

CONDITIONS FOR SAFE STORAGE:

Keep cool in a cool, well-ventilated place away from sunlight. Ensure local and adequate ventilation. Keep container tightly sealed in its original container. Sudden releases of hot organic vapors or mists from process equipment operating at elevated temperature may result in ignitions without the presence of obvious ignition sources. Observe all warnings and precautions listed for the product.

SECTION 8. EXPOSURE CONTROLS

INGREDIENT

Toluene

Methanol

Isopropyl Alcohol

TWA

191 mg/m³

260 mg/m³ (EU)

500 mg/m³

STEL

384 mg/m³

333 mg/m³

1250 mg/m³ (15 min)

NATION

UK

UK

UK

GENERAL NOTE:

Practice good industrial hygiene. Wash hands after handling and use.

EYE/FACE PROTECTION:

Use chemical safety goggles and/or a full-face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities or a source of running water in the work area.

RESPIRATORY PROTECTION:

Use in a well-ventilated area. If vapors are generated and exceed the exposure limits, use air-purifying respirators.

APPROPRIATE ENGINEERING CONTROLS:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is preferred.

SKIN PROTECTION:

Wear rubber, neoprene, nitrile, Saranex® boots, gloves, lab coat, apron or coveralls, as necessary and appropriate, to prevent skin contact.

ENVIRONMENTAL PROTECTION:

No anticipated protective equipment is required.

Acid Test Kit™**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Maroon/purplish liquid.	ODOR:	Alcohol-like.
pH:	Not determined.	ODOR THRESHOLD:	Not determined.
MELTING POINT:	Not determined.	BOILING POINT:	82°C.
FLASHPOINT:	12°C.	EVAPORATION RATE:	1,7.
FLAMMABILITY:	Not determined.	UPPER EXPLOSIVE %:	12,7°C.
VAPOR PRESSURE:	33 mm Hg.	LOWER EXPLOSIVE %:	2,0°C.
VAPOR DENSITY:	2,1.	RELATIVE DENSITY:	Not determined.
SOLUBILITY:	Miscible.	PARTITION COEFFICIENT:	Not determined.
AUTO-IGNITION:	399°C.	DECOMPOSITION TEMP:	Not determined.
VISCOSITY:	Not determined.		

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: Not anticipated to be reactive.	CHEMICAL STABILITY: Chemical is anticipated to be stable in normal storage conditions.
HAZARDOUS REACTIONS: Will not occur.	CONDITIONS TO AVOID: Extreme heat, incompatibles.
INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizing agents, and strong acids.	HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY ESTIMATES: Oral – 2.637,8 mg/kg bw Dermal – 2.220 mg/kg bw Inhalation – 284,9 mg/l	GERM CELL MUTAGENICITY: Contains no ingredient(s) applicable to this category.
SENSITIZATION: Respiratory: Contains no ingredient(s) applicable to this category. Skin: Contains no ingredient(s) applicable to this category.	CARCINOGENICITY: Contains no ingredient(s) applicable to this category.
REPRODUCTIVE TOXICITY: Suspected of damaging the unborn child via inhalation.	SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: May cause damage to organs found in the central nervous system via inhalation.
ASPIRATION HAZARD: May be fatal if swallowed and enters airways.	SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: May cause drowsiness or dizziness.
SKIN CORROSION/IRRITATION: Irritates skin.	DELAYED AND IMMEDIATE EFFECT FROM SHORT- AND LONG-TERM EXPOSURE: Overexposure to methanol may cause eye damage and liver or kidney injury.
EYE DAMAGE/IRRITATION: Irritates eyes.	SYMPTOMS RELATED TO CHARACTERISTICS: Not determined.

Acid Test Kit™

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Algae – >10 mg/L
 Fish – >10 mg/L
 Crustacea – >10 mg/L

MOBILITY IN SOIL:

From soil, substance evaporates and is microbially biodegraded.

RESULTS OF PBT and vPvB ASSESSMENT:

Not identified as a PBT or vPvB substance.

PERSISTENCE AND DEGRADABILITY:

Not determined.

BIOACCUMULATIVE POTENTIAL:

No data available.

OTHER ADVERSE EFFECTS:

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL OF EMPTY CONTAINERS:

Vapors may collect in empty containers. Treat empty containers as hazardous. Please recycle container with a licensed recycling company.

DISPOSAL OF FULL OR PARTIALLY FULL CONTAINERS:

Dispose in accordance with all local regulations. Contact a licensed waste management company for questions on disposal procedures.

SEWAGE DISPOSAL:

Do not dispose of mixture via sewage.

SPECIAL PRECAUTIONS FOR WASTE TREATMENT:

Not determined.

SECTION 14. TRANSPORT INFORMATION

HAZARD PLACARD:



UN PROPER SHIPPING NAME: Flammable Liquid, n.o.s.

HAZARD CLASS: 3

PACKAGING GROUP: II

ENVIRONMENTAL HAZARD: No.

TRANSPORT IN BULK: Not determined.

SPECIAL PRECAUTIONS: Do not ship with excessive weight on top. Keep in original containers.

UN NUMBER: UN1993

LTD QTY: <1 L

SECTION 15. REGULATORY INFORMATION

EC No 1005/2009: None listed.

EC No 850-2004: None listed.

Directive 79/117/EEC: Not determined.

Special Regulations for mixture: Tactile & Child Resistant container requirements if sold to the general public.

Chemical safety assessment: Not assessed.

REACH Registration: Contact the responsible party listed in Section 1.

Acid Test Kit™**SECTION 16. OTHER INFORMATION**

REVISION: 1
REVISION DATE: March 2023

REVISION PURPOSE:
New SDS

GENERAL DISCLAIMER:

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

SDS AUTHORED BY:

Cogwork Consulting Group
www.cogworkconsulting.com