



TKO Test Kit

TKO

SDS Preparation Date (dd/mm/yyyy): 16/10/2024

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SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier : TKO Test Kit

Product Code(s) : TKO (P/N 475365)

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

- : Oil refrigeration test kit
- Use pattern: professional use
- Refer to restrictions found in REACH Annex XVII item 48.

1.3 Details of the supplier of the safety data sheet:

Parker Hannifin Corporation - Sporlan Division

206 Lange Drive
Washington, MO, U.S.A.
63090

Telephone : (636) 239 1111

1.4 Emergency Telephone Number

- : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).
- Poisons Information Centre
- The United Kingdom NHS 111
- France +33383852192
- Germany +493018412-0
- Spain +34917689800
- Poland +48422538400
- Italy
- 06 68593726 (CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza - Roma) 800 183459 (Az. Osp. Univ. Foggia - Foggia)
- 081 5453333 (Az. Osp. "A. Cardarelli" - Napoli)
- 06 49978000 (CAV Policlinico "Umberto I" - Roma)
- 06 3054343 (CAV Policlinico "A. Gemelli" - Roma)
- 055 7947819 (Az. Osp. "Careggi" U.O. Tossicologia Medica - Firenze)
- 0382 24444 (CAV Centro Nazionale di Informazione Tossicologica - Pavia) 02 66101029 (Osp. Niguarda Ca' Granda - Milano)
- 800 883300 (Azienda Ospedaliera Papa Giovanni XXII - Bergamo)

1.5 National Contact

- : + 001 (636) 239-1111

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture



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Clear, red liquid. Solvent odor.

Most important hazards: Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. For further information, please refer to section 11 of the SDS.

This mixture is classified as hazardous in accordance with Regulation (EC) No 1272/2008.

Classification:

Flammable liquid- Category 2;H225

Eye irritation - Category 2 ;H319

Skin irritation Category 2 :H315

Reproductive toxicity -Category 2 :H361FD

Specific target organ toxicity, single exposure- Category 3:H336

Specific target organ toxicity, repeated exposure Category 2 :H373

Aspiration toxicity- Category 1 ;H304

Hazardous to the aquatic environment, Chronic - Category 3:H412

2.2 Label elements

Hazard pictogram(s)



Hazardous components which must be listed on the label:
Toluene, Ethyl alcohol, potassium hydroxide

Signal word:

Danger

Hazard statements :

H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H361fd - Suspected of damaging fertility or the unborn child.

H336 - May cause drowsiness or dizziness.

H373 - May cause damage to organs through prolonged or repeated exposure.

H304 - May be fatal if swallowed and enters airways.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking

P271 - Use only outdoors or in a well-ventilated area.

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

P331 - Do NOT induce vomiting.

P370 + P378 - In case of fire: Use carbon dioxide, dry sand, dry chemical or alcohol-resistant foam to extinguish.

P405 - Store locked up.

Supplemental Hazard Statements:

EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards



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Other hazards which do not result in classification:
Ingestion can cause gastrointestinal irritation, nausea, and diarrhea.

Endocrine disrupting properties: Not applicable.

PBT assessment:

This mixture contains no substance(s) above reportable levels which are considered to be persistent, bioaccumulating nor toxic (PBT), or very persistent and very bioaccumulating (vPvB).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Mixture

Substance name	CAS No	EC No.	Reach Registration No.	% Weight	Classification according to Regulation (EC) nr. 1272/2008	SCL, M-factor, ATE
Toluene	108-88-3	203-625-9	Not applicable.	30.0 - 60.0	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Repr. 2; H361d STOT RE 2; H373	Not applicable.
Ethyl alcohol	64-17-5	200-578-6	Not applicable.	30.0 - 60.0	Flam. Liq. 2; H225	Not applicable.
potassium hydroxide	1310-58-3	215-181-3	Not applicable.	0.1 - 1.0	*Acute Tox. 4; H302 Skin Corr. 1A; H314	Not applicable.

For the full text of the H phrases not mentioned in this Section or in Section 2, see Section 16.

SECTION 4. FIRST-AID MEASURES

4.1 Description of first aid measures

- Ingestion* : Seek immediate medical attention/advice. Do not induce vomiting. Never give anything by mouth to an unconscious person.
- Inhalation* : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.
- Skin contact* : Remove/Take off immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. If irritation persists, seek prompt medical attention.
- Eye contact* : Immediately flush eyes with running water for at least 20 minutes. Seek immediate medical attention/advice.

4.1.2 Self-protection for the first aider

- : Wear protective gloves and eye/face protection.



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4.2 Most important symptoms and effects, both acute and delayed

- : May cause drowsiness or dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause skin irritation. Symptoms may include redness, itching and swelling. May cause severe eye irritation. Symptoms will include pain, redness and tearing. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause damage to the central nervous system through prolonged or repeated exposure if inhaled. Suspected of damaging the unborn child.

4.3 Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically. Aspiration hazard This product is a CNS depressant.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

- : Dry chemical, foam, carbon dioxide and water fog. Do not use water jet, as this may spread burning material.

Unsuitable extinguishing media

- : Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

- : Highly flammable liquid and vapour. Vapour may cause flash fire! Vapours are heavier than air and may spread along floors. Vapours may ignite explosively. In the event of fire the following can be released: Carbon oxides

5.3 Advice for firefighters

Protective equipment for fire-fighters

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

- : Fight fires from a safe distance. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- : All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

- : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading.

6.3 Methods and material for containment and cleaning up

- : Remove all sources of ignition. Ventilate area of release. Dike for water control. Stop spill or leak at source if safely possible. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contact the proper local authorities.

6.4 Reference to other sections

- : Refer to protective measures listed in sections 7 and 8. Refer to Section 13 for disposal of contaminated material.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling



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- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flames. Ground/Bond container and receiving equipment. Use only non-sparking tools. Keep away from acids and incompatibles. Take precautionary measures against static discharges. Always replace cap after use. Keep container tightly closed. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- : Store locked up. Store in a cool, dry, well-ventilated area. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

7.3 Specific end use(s)

- : Oil refrigeration test kit

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits:			
Chemical Name	Exposure Limits	Type	Notes
Toluene	50 ppm (192 mg/m ³) (TWA) 100 ppm (384 mg/m ³) (STEL)	European Union (OEL)	Possibility of significant uptake through the skin
	50 ppm (192 mg/m ³) (TWA)	Italy (OEL)	Skin - Potential for cutaneous absorption
	25 ppm TWA; 94 mg/m ³ TWA; 37.5 ppm STEL; 141 mg/m ³ STEL;	Hungary (OEL)	Skin notation
	50 ppm (191 mg/m ³) (TWA) 100 ppm (384 mg/m ³) (STEL)	The United Kingdom (WELs)	Potential for cutaneous absorption
Ethyl alcohol	500 ppm TWA; 950 mg/m ³ TWA; 625 ppm STEL; 1187.5 mg/m ³ STEL;	Hungary (OEL)	N/Av
	1000 ppm (1920 mg/m ³) (TWA)	The United Kingdom (WELs)	None.
potassium hydroxide	None.	European Union (OEL)	None.
	None.	Italy (OEL)	None.
	:::2 mg/m ³ Ceiling	Hungary (OEL)	N/Av
	2 mg/m ³ (STEL)	The United Kingdom (WELs)	None.

Biological Exposure Indices:

No biological exposure limits noted for the ingredient(s).



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Derived No Effect Level (DNEL)

Toluene (CAS# 108-88-3)

- 192 mg/m³ Workers by inhalation (Systemic, Chronic)
- 384 mg/m³ Workers by inhalation (Systemic, Acute)
- 192 mg/m³ Workers by inhalation (respiratory irritation) (Local, Chronic)
- 384 mg/m³ Workers by inhalation (respiratory irritation) (Local, Acute)
- 384 mg/m³ Workers by Dermal (Systemic, Chronic)
- 56.5 mg/m³ General Population by inhalation (Systemic, Chronic)
- 226 mg/m³ General Population by inhalation (Systemic, Acute)
- 56.5 mg/m³ General Population by inhalation (respiratory irritation) (Local, Chronic)
- 226 mg/m³ General Population by inhalation (respiratory irritation) (Systemic, Acute)
- 8.13 mg/m³ General Population by oral (Systemic, Chronic)

Ethyl Alcohol (CAS#64-17-5)

- 380 mg/m³ Workers by inhalation (Systemic, Chronic)

Potassium hydroxide (CAS# 1310-58-3)

- No information available.

Predicted No Effect Concentration (PNEC)

Toluene (CAS# 108-88-3)

- 0.68 mg/L aquatic organisms (freshwater)
- 0.68 mg/L aquatic organisms (marine water)
- 13.61 mg/L STP
- 16.39 mg/kg sediment (freshwater)
- 16.39 mg/kg sediment (marine water)
- 2.89 mg/kg soil

Ethyl Alcohol (CAS# 64-17-5)

- 0.96 mg/L aquatic organisms (freshwater)
- 0.79 mg/L aquatic organisms (marine water)
- 580 mg/L STP
- 3.6 mg/kg sediment (freshwater)
- 2.9 mg/kg sediment (marine water)
- 0.63 mg/kg soil

Potassium hydroxide (CAS# 1310-58-3)

- No information available.

8.2 Exposure controls

Ventilation and engineering measures

- : Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof electrical and ventilating equipment.

Respiratory protection : If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Advice should be sought from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Skin protection : Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.

Eye / face protection : Wear safety glasses with side shields (or goggles).

Other protective equipment

- : Wear resistant clothing and boots. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations



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: Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Wash hands thoroughly after using this product, and before eating, drinking or smoking.

8.3 Environmental exposure controls

: Avoid release to the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state : Liquid.
Colour : Red, Clear
Odour : Solvent odor.
Odour threshold : Not available.
pH : Not available.
Flash point : 4.4°C
Flashpoint (Method) : Seta closed cup
Lower flammable limit (% by vol.)
: Not available.
Upper flammable limit (% by vol.)
: Not available.
Auto-ignition temperature
: Not available.
Decomposition temperature
: Not available.
Oxidizing properties : None.
Explosive properties : Not explosive
Initial boiling point and boiling range
: 78°C
Melting/Freezing point : -30°C
Relative density : 0.86
Solubility in water : Partially soluble.
Other solubility(ies) : Not available.
Vapour pressure : 19 mm Hg
Vapour density : 1.6
Partition coefficient: n-octanol/water
: Not available.
Viscosity : < 2 cps
Evaporation rate (BuAe = 1)
: > 1
Particle characteristics : Not applicable.

9.2 Other Information

Volatiles (% by weight) : >99%
Volatile organic Compounds (VOC's)
: 860 g/L

Other physical/chemical comments

: No additional information.



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SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2 Chemical stability** : Stable under the recommended storage and handling conditions prescribed.
- 10.3 Possibility of hazardous reactions** : No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.
- 10.4 Conditions to avoid** : Avoid heat and open flame. Keep away from direct sunlight. Ensure adequate ventilation, especially in confined areas.
- 10.5 Incompatible materials** : Oxidizing agents
- 10.6 Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects:

- Acute toxicity** : According to the classification criteria of the European Union, this product is not considered as being an acutely toxic chemical.
- Skin corrosion/Irritation** : Causes skin irritation.
- Serious eye damage/irritation** : Causes serious eye irritation.
- Respiratory or skin sensitisation** : According to the classification criteria of the European Union, this product is not considered as being an allergic skin sensitiser. According to the classification criteria of the European Union, this product is not considered as being an allergic respiratory sensitiser.
- Germ cell mutagenicity** : According to the classification criteria of the European Union, the product is not considered as being a germ cell mutagen.
- Carcinogenicity** : According to the classification criteria of the European Union, the product is not considered as being a carcinogen. Note that this product contains ethanol, a confirmed animal carcinogen (A3) by the ACGIH and human carcinogen (Group 1) by the IARC; however, this is only applicable when the chemical is present in alcoholic beverages.
- Reproductive toxicity** : Suspected of damaging fertility or the unborn child. Contains Toluene. Toluene may cause fetotoxic effects at doses which are not maternally toxic, based on animal data.
- STOT-single exposure** : May cause drowsiness or dizziness.
- STOT-repeated exposure** : May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard** : May be fatal if swallowed and enters airways.
- Routes of exposure** : Ingestion, Skin contact, eye contact, inhalation.
- Effects of acute exposure** : Ingestion: May be fatal if swallowed and enters airways.
Skin contact: Causes skin irritation. Symptoms may include redness, itching and swelling.
Eye contact: Causes serious eye irritation. Symptoms may include stinging, tearing, redness and swelling.
Inhalation: May cause drowsiness or dizziness. Inhalation may cause headache, nausea and central nervous effects such as dizziness, coordination difficulties and unconsciousness.
- Potential Chronic Health Effects** : Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

11.1.1 Acute Toxicity

- Toxicological data** : See below for individual ingredient acute toxicity data.



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<u>Chemical name</u>	<u>LC₅₀(4hr)</u>	<u>LD₅₀</u>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Toluene	7585 ppm (28.1 mg/L)	5580 mg/kg	12 125 mg/kg
Ethyl alcohol	> 32 380 ppm (61 mg/L) (vapour)	7060 mg/kg	> 15 800 mg/kg
potassium hydroxide	N/Av	205 mg/kg	> 1260 mg/kg

11.2 Information on other Hazards

: None known.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity : Harmful to aquatic life with long lasting effects. Do not allow material to contaminate ground water system. See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Toluene	108-88-3	5.4 mg/L (pink salmon)	1.4 - 4 mg/L	None.
Ethyl alcohol	64-17-5	> 100 mg/L (Fathead minnow)	N/Av	None.
potassium hydroxide	1310-58-3	80 mg/L (Mosquito fish)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Toluene	108-88-3	3.78 mg/L (Daphnia magna)	0.53 - 1 mg/L	None.
Ethyl alcohol	64-17-5	5012 mg/L (Daphnia magna)	N/Av	None.
potassium hydroxide	1310-58-3	56 mg/L Ceriodaphnia (water flea)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Toluene	108-88-3	N/Av	10 mg/L/72hr (Green algae)	None.
Ethyl alcohol	64-17-5	1000 mg/L/96hr (Green algae)	N/Av	None.
potassium hydroxide	1310-58-3	N/Av	N/Av	None.

12.2 Persistence and degradability



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- : No data is available on the product itself.
- Toluene is considered to be readily biodegradable.
- Ethanol is considered to be readily biodegradable.

12.3 Bioaccumulation potential

- : No data is available on the product itself. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Toluene (CAS 108-88-3)	2.65	
Ethyl alcohol (CAS 64-17-5)	- 0.31	N/Av
potassium hydroxide (CAS 1310-58-3)	N/Ap	N/Ap

12.4 Mobility in soil : No data is available on the product itself.

12.5 Results of PBT and vPvB assessment

- : This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Endocrine disrupting properties

- : None known or reported by the manufacturer.

12.7 Other Adverse Environmental effects

- : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

12.8 Additional information : None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Handling for Disposal : Handle waste according to recommendations in Section 7. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations.

SECTION 14. TRANSPORTATION INFORMATION



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Regulatory Information	14.1 UN Number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing Group	Label
ICAO/IATA	UN1993	Flammable liquid, n.o.s. (Toluene; Ethanol)	3	II	
ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction				
ADR/RID	UN1993	FLAMMABLE LIQUID, N.O.S. (Toluene, Ethyl alcohol)	3	II	
ADR/RID Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (Toluene, Ethyl alcohol)	3	II	
IMDG Additional information	Consult the IMDG regulations for exceptions.				

14.5 Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

14.6 Special precautions for user

: Appropriate advice on safety must accompany the package. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not applicable.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture



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: Classification according to Regulation (EC) No. 1272/2008 on the classification of hazardous mixtures. This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended [including Regulation (EU) 2023/707].

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: None of the components are specifically listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended:
Refer to restrictions found in REACH Annex XVII item 48.

Directive 2012/18/EU (Seveso III) on the control of major-accident hazards involving dangerous substances:
P5c FLAMMABLE LIQUIDS

RoHS European Union's Directive 2002/95/EC, the Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) : Not applicable.

Directive 98/24/EC on the protection of the health and safety of workers from risks related to chemical agents at work:
Toluene (CAS# 108-88-3)

Directive 94/33/EC on the protection of young people at work:
Toluene (CAS# 108-88-3)

Follow national regulation for work with chemical agents.

German legislation on substances that are hazardous to water AwSV: Water hazard class (Germany) - 3 (self classified)

15.2 Chemical safety assessment

: A chemical safety assessment has not been carried out by the Manufacturer of this product.



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SECTION 16. OTHER INFORMATION

Legend : ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE: Acute Toxicity Estimate
CAS: Chemical Abstract Services
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
EC: European Community
EC50: Effective Concentration 50%
EEC: European Economic Community
EN: European Standard
EU: European Union
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
NOEC: No observable effect concentration
OECD: Organisation for Economic Co-operation and Development
OEL: National occupational exposure limits
PEL: Permissible exposure limit
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL: Short Term Exposure Limit
TWA: Time Weighted Average

Information Source : 1. Material Safety Data Sheet from manufacturer.
2. Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases
3. European Chemicals Agency, Classification Legislation
4. OECD - The Global Portal to Information on Chemical Substances

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Regulation and Procedure :

Based on expert judgement:
Flammable liquids ;
Skin irritation;
Eye irritation;
Reproductive toxicity;
Aspiration;
Specific Target Organ Toxicity, Repeated Exposure.;
Specific target organ toxicity, single exposure;
Aquatic toxicity;

H-phrases (full-text):
H225 - Highly flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

Other special considerations for handling

: Provide adequate information, instruction and training for operators.



TKO Test Kit



TKO

SDS Preparation Date (dd/mm/yyyy): 16/10/2024

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SAFETY DATA SHEET

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended. This safety data sheet complies with the requirements of UK REACH Regulation.

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