

TROVEX DIAMOND CLEANER / THINNERS

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

1.1. PRODUCT IDENTIFIER

Product name: TROVEX DIAMOND CLEANER / THINNERS

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers. Cleaning solvent

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company name: Trovex

Innova House

Rash's Green, Dereham

Norfolk, NR19 1JG

Tel: 01707 254 170

Fax: 01707 254 171

sales@trovex.com

1.4. EMERGENCY TELEPHONE NUMBER

Emergency Telephone: NHS:111 Trovex: +44 01707 254 170 (Monday - Friday: 7.30am - 4.30pm)

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification under CHIP: F: R11; Xi: R38; Xn: R48/20; Xn: R63; -: R67

Classification under CLP: Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336

Most important adverse effects: Highly flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Vapours may cause drowsiness and dizziness.

2.2. LABEL ELEMENTS

Label elements under CLP:

Hazard statements:

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H361d: Suspected of damaging the unborn child.

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

Signal words: Danger

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



Precautionary statements:

P260: Do not breathe fume.

P314: Get medical advice/attention if you feel unwell.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P308+313: IF exposed or concerned: Get medical advice/attention.

P370+378: In case of fire: Use carbon dioxide for extinction.

Label elements under CHIP:

Hazard symbols:

Highly flammable.

Harmful.



Risk phrases:

R11: Highly flammable.

R38: Irritating to skin.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63: Possible risk of harm to the unborn child.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases:

S9: Keep container in a well-ventilated place.

S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe fumes.

S33: Take precautionary measures against static discharges.

S60: This material and its container must be disposed of as hazardous waste.

2.3. OTHER HAZARDS

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This substance is not identified as a PBT substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. MIXTURES

Hazardous ingredients:

TOLUENE

EINECS	CAS	CHIP Classification:	CLP Classification	Percent
203-625-9	108-88-3	F: R11; Xi: R38; Xn: R48/20; Xn: R63; Xn: R65; -: R67	Flam. Liq. 2: H225; Repr. 2: H361d; Asp. Tox. 1: H304; STOT RE 2: H373; Skin Irrit. 2: H315; STOT SE 3: H336	>90%

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Skin contact: There may be irritation and redness at the site of contact.

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Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

SECTION 5: FIRE-FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3. ADVICE FOR FIRE-FIGHTERS

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

6.2. ENVIRONMENTAL PRECAUTIONS

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4. REFERENCE TO OTHER SECTIONS

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.

Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. SPECIFIC END USE(S)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS**Hazardous ingredients:****TOLUENE****Workplace exposure limits:****Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	191 mg/m ³	384 mg/m ³	-	-

8.2. EXPOSURE CONTROLS**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.**Hand protection:** Impermeable gloves.**Eye protection:** Safety glasses. Ensure eye bath is to hand.**Skin protection:** Impermeable protective clothing.**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**State:** Liquid**Colour:** Colourless**Odour:** Aromatic**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Not miscible**Viscosity:** Non-viscous**Boiling point/range°C:** 110 **Flash point°C:** 4**Relative density:** 0.871**9.2. OTHER INFORMATION****Other information:** Not applicable.**SECTION 10: STABILITY AND REACTIVITY**

10.1. REACTIVITY**10.2. CHEMICAL STABILITY****Chemical stability:** Stable under normal conditions. Stable at room temperature.**10.3. POSSIBILITY OF HAZARDOUS REACTIONS****10.4. CONDITIONS TO AVOID****Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.**10.5. INCOMPATIBLE MATERIALS****Materials to avoid:** Strong oxidising agents. Strong acids.**10.6. HAZARDOUS DECOMPOSITION PRODUCTS****Haz. decomp. products:** In combustion emits toxic fumes.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Toxicity values:

Route	Species	Test	Value	Units
DERMAL	-	LD50	>2000	mg/kg
ORAL	-	LD50	>2000	mg/kg
VAPOURS	-	LC50	>5	mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

SYMPTOMS / ROUTES OF EXPOSURE

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

Ecotoxicity values:

Species	Test	Value	Units
ZEBRAFISH (Brachydanio rerio)	96H LC50	<10	mg/l
Daphnia magna	48H EC50	<100	mg/l
MARINE ALGAE (Skeletonema costatum)	72H IC50	>100	mg/l

12.2. PERSISTENCE AND DEGRADABILITY

Persistence and degradability: Biodegradable.

12.3. BIOACCUMULATIVE POTENTIAL

Bioaccumulative potential: No bioaccumulation potential.

12.4. MOBILITY IN SOIL

Mobility: Readily absorbed into soil.

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

PBT identification: This substance is not identified as a PBT substance.

12.6. OTHER ADVERSE EFFECTS

Other adverse effects: Negligible ecotoxicity.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 08 04 09

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: TRANSPORT INFORMATION

14.1. UN NUMBER

UN number: UN1993

14.2. UN PROPER SHIPPING NAME

Shipping name: FLAMMABLE LIQUID, N.O.S.
(TOLUENE)

14.3. TRANSPORT HAZARD CLASS(ES)

Transport class: 3

14.4. PACKING GROUP

Packing group: II

14.5. ENVIRONMENTAL HAZARDS

Environmentally hazardous: No

Marine pollutant: No

14.6. SPECIAL PRECAUTIONS FOR USER

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

15.2. CHEMICAL SAFETY ASSESSMENT

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3:

H225: Highly flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H361d: Suspected of damaging the unborn child.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated

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exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

R11: Highly flammable.

R38: Irritating to skin.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63: Possible risk of harm to the unborn child.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.