



MATERIALS SAFETY DATA SHEET

1. Product Identification

Product name: Oil & Grease Remover

Product type: Solvent liquid to absorbent powder

Product description: Oil and greasy stain remover from marble, granite, limestone and porous stones.

Prepared by: Tilers Tools, Unit 4a Stretton Distribution Centre, Off Grappenhall Lane, Appleton WA4 4QT, Tel: 01565 344860, Email: sales@tilerstools.co.uk

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2. Hazards Identification

2.1 Classification of the substance or mixture

Classification of the substance according to Regulation EC n. 1272/2008

The product is not classified as dangerous – H226, H304, H315, H319.

Dangers for human health:

Skin and eyes irritating.

Dangerous if swallowed.

Causes damage to eyes.

See section 16 for the complete text of sentence H.

See section 11 for additional information on health effects.

Main solvent:

Denaturized white spirit and perchloroethylene.

NAFTA (petrolio, frazione alifatica de aromatizzata).

CAS: 64742-48-9- EINECS: 265-150-3 : < 50% Xn R 10-65.

TOLUENE DENATURATO

CAS: 108-88-3 < 10% Xn R 48/20/67

BUTANONE-METILETILCHETONE

CAS: 78-93-3 EINECS: 201-159-0 < 20% Xi R 36/66/67

03.02 Flammable product

03.03 Flashing point : >40°C.

Hazardous indications:

H305 May be harmful if swallowed and if penetrating in breathing ways.

EUH066 repeated exposure may cause skin dryness and cracks.

Prudence recommendations:

P101 Keep far from the reach of children.

P210 keep far from heating sources/sparks/free flames. Do not smoke

P226 liquid and flammable vapours.

P260 do not breath vapours in aerosol.

P280 Wear gloves/protective clothes/protect eyes/face.

P 301+330+331 in case of ingestion rinse mouth and do not induce vomit: immediately call a doctor.



P 303+361+353 in case of contact with the skin (or hair) take off the dirty clothes. Rinse skin and take a shower.

P 305+351+338 in case of contact with eyes rinse for some minutes, take eventual eye-lens off, rinse again very well.

P501 Collect the product/container according to directives.

Indications on precautions:

Prevention:

Wear protective gloves.

Protection for eyes and face.

Do not eat, drink or smoke during use.

Wash hands well after use.

Disposal:

Do not waste residues in the environment.

2.2 Label elements

Danger labelling in compliance with (CE) 1272/2008 (CLP) Regulation and following modifications and adjustments.



Danger: Irritant.

Risk:

H226 liquid and flammable vapours.

H 304 may be fatal in case of ingestion and penetration to breathing system.

H315 causes skin irritation.

H314 causes severe skin burnings.

H290 corrosive for metals.

H400 very toxic for water organisms.

H319 causes severe eyes irritation.

H 335 may irritate breathing ways.

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Safety:

S24/S25 avoid contact with eyes and skin.
S36/S37/S39 wear suitable protective clothes and gloves to protect eyes/face.
EUH066 continuous exposure may cause skin dryness scratches.
P210 keep far from heating, sparks, free flames. Do not smoke.
P270 do not eat, drink or smoke during use.
P280 wear protective clothes and gloves. Protect eyes/face.
P301-P310 IN CASE OF INGESTION immediately call a doctor.

3. Composition / Information on the Ingredients

Main solvent:

Denaturized white spirit and perchloroethylene.
NAFTA (petrolio, frazione alifatica de aromatizzata.
CAS: 64742-48-9- EINECS: 265-150-3: : < 50% Xn R 10-65.
TOLUENE DENATURATO.
CAS: 108-88-3 < 10% Xn R 48/20/67.
BUTANONE-METILETILCHETONE.
CAS: 78-93-3 EINECS: 201-159-0 < 20% Xi R 36/66/67.
Flammable product.
The product could be irritant for eyes and skin.

4. First Aid Measures

4.1 Description of first aid measures

In case of contact with the skin: Remove dirty shoes and clothes then safely dispose them. Wash the area with soap and water. Immediately call a doctor in case of irritation, swelling or redness persist. In case of contact with the eyes: Rinse well with water for around 15 minutes. Call the specialist doctor or local hospital if irritation persists.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: Redness, irritations.
Eyes contact: Eyes irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Follow doctor's instructions.

5. Anti-Fire Measures

5.1 Extinguishing means

Carbon dioxide, foam, powder and nebulized water
DO NOT USE WATER JETS
May be used to cool closed containers exposed to flames and to prevent from explosions.

5.2 Dangers coming from the substance or mixture

DANGERS LINKED TO EXPOSURE IN CASE OF FIRE
There might be over-pressure in the containers exposed to fire with consequent danger of explosion.
Avoid breathing burning substances (Carbone oxide, toxic products in pyrolysis).

5.3 Information for the staff extinguishing the fire

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Cool containers with water jets in order to avoid product decomposition and the formation of possible substances that would be health dangerous. Always wear the whole anti-fire equipment. Collect extinguishing water that won't be pour down drains. Collect dirty water and all the residues according to current rules.

EQUIPMENT

Protective cap with peak, fireproof clothes (jacket and trousers with bands around arms, legs and hips), suitable gloves (anti-fire, anti-cut), auto-breather (auto protector).

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove any ignition or heating source (cigarettes, flames, sparks, etc) in the concerned area. In case of solid product avoid the formation of powder, spraying some water unless there are specific notifications. In case of powders dispersed in the air or vapours, use suitable breathing protection. Stop the discharge if there's no danger. Do not handle damaged containers or the discharged product without wearing suitable protective clothes. For any information regarding risks for environment and health, breathing protection, ventilation and individual protective means, please refer to other chapt. in this data sheet.

6.2 Environmental precautions

Do not let the product pour down drains, superficial waters, water-bearing stratum and border areas.

6.3 Methods and material for containment and cleaning up

Absorb the discharged product using absorbing inert material. (sand, powder). Collect most of the residual product using collecting containers. Remove the residual using water jets if there are not opposite notifications. Good air the ambient concerned by the discharge. Product disposal must be performed according to chapt. 13.

7. Handling and Storage

7.1 Precautions for safe handling

Wear gloves, apron, mask and boots.

7.2 Safe warehouse

Keep container well sealed in a dry place; protect from freeze and avoid temperatures higher than 40°C. Do not keep in warehouse together with acids and strong bases.

7.3 Specific end use(s)

Stain removal treatments.



8. Exposure Control and Protection

8.1 Protection

Since the use of suitable technical measures should be first than personal protection equipment, it's necessary to ensure a proper ventilation through the use of a good aspiration device or the polluted air discharge. If these operations do not keep product concentration under minimum exposure values, it will be necessary to wear a suitable breathing apparatus protection. During use, refer to danger label for more details. Personal protective clothes must be in compliance with the rules here below indicated:

Hands protection:

Protect hands using working gloves, II category. (ref. Directive 89/686/CEE and Rule EN 374) like: PVC, neoprene, nitrile or equivalent.

The final choice of the gloves must consider: degradation, breaking time and permeability. In case of mixtures the gloves resistance must be checked before using, it is not foreseeable. Gloves have a wear and tear term that depends on exposure time.

Precautionary measures: avoid inhaling the vapours, avoid contact with eyes and skin.

Eyes protection:

Wear sealing protective mask (ref. Rule EN 166).

Skin protection:

Wear long sleeves working clothes and shoes for professional use, II category. (ref. Directive CEE and EN 344 rule). Wash with plenty of water after taking protective clothes off. neoprene or nitrile rubber gloves, minimum / gloves:> 2h, minimum thickness gloves: 0.6 mm conform to EN374. Check the resistance of gloves to the product before use.

Breathing protection:

In case of overcoming of the limit value of one or more substances present in the product, wear a mask with filter A type or the universal type, whose class (1,2 or 3) will be chosen according to the use. (ref. EN 141 Rule). The use of breathing apparatus protections, like mask with filter for organic vapours and powders/fog, it's compulsory in absence of technical measures to limit the worker exposure. The protection given by the mask is limited anyway. If the substance is odourless or in case of emergency (unknown time of exposure or the oxygen level in the ambient is lower than 17%) wear a compressed air auto-breather at open circuit (ref. Rule EN 137) or a respirator with external air outlet for the use with whole mask, semi-mask or nozzle. (Ref. Rule EN 138). If there's the risk to get squirts or sprinkles due to the type of work performed, it's necessary to foresee a suitable mucous protection (mouth, nose, eyes) in order to avoid accidental absorptions.

8.2 Exposure controls

Handle in well ventilated areas.

8.3 Individual protection

Wear gloves and mask, in normal use conditions no vapours are generated.

8.4 Environmental protection

Avoid discharge in sewers.

Since the use of suitable technical measures should be first than personal protection equipment, it's necessary to ensure a proper ventilation through the use of a good aspiration device or the polluted air discharge.

If these operations do not keep product concentration under minimum exposure values, it will be necessary to wear a suitable breathing apparatus protection. During use, refer to danger label for more details.

9. Chemical and Physical Properties

9.1 Information on basic physical and chemical properties

Status: Creamy

Colour: White / grey

Odour: Typical

Smelling threshold: Not determined

pH: Between 11.5 and 13

Boiling point: 200°C approx

Fusion point: 18°C

Flashing point: >40°C

Ignition temperature: >300°C

Vapours: Not determined

Viscosity: Not determined

Solubility: Soluble in water

Density at 20°C: Approx 2

9.2 Other information

No data available.

10. Stability and Reactivity

10.1 Reactivity

No dangerous reaction in normal conditions of use.

10.2 Chemical stability

The product is chemically stable in normal use and storage conditions. It is exothermically active.

10.3 Possible dangerous reactions

No dangerous reactions detected.

10.4 Conditions to avoid

Avoid overheating, avoid contact with wood and light metals.

10.5 Hazardous decomposition products

In case of thermal decomposition gasses and vapours dangerous to health may occur.

10.6 Substances to avoid

Rubber, thermoplastic substances.

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11. Toxicological Information

TVL 85 mg/m³.

Acute inhalation toxicity: Could be irritant for breathing apparatus.

Contact with the skin: May cause irritation.

Contact with the eyes: May cause eyes irritation.

The introduction of little quantities of product in the breathing apparatus may cause vomit, bronco-pneumonia or pulmonary edema. Due to continuous exposure the product may bring to a skin degreasing, causing cracks and dryness.

12. Ecological Information

The product can pollute the ground. Avoid absorption.

The product is harmful for fish fauna. Do not pour down drains, or in water.

13. Disposal Considerations

13.1 Waste handling

Re-use, if possible the product. Product residues must be regarded as special dangerous waste. Waste danger that contain this product must be evaluated on the basis of current rules.

13.2 Disposal

Must be performed by company authorized to waste handling, according to national and local current rules. Polluted Packages, Polluted packages must be recovered or wasted in compliance with National rules concerning waste management. Do not pour down drains. Do not waste in the ground. Small residues can be collected using absorbent material.

14. Transport

Transport must be performed by specific vehicles authorized to transport of dangerous goods, in compliance with current rules of the current ADR agreement and applicable disposition. Transport must be performed in original containers and, anyway, use packages made of materials not attaching by the product inside. Loading staff must be properly trained on possible risks and eventual procedures to follow in case of emergency.

By road and rail:

Class ADR/RID 3 UN 3295.

Packing group III.

Nr. Kemler 30.

Limite Qty LQ07.

Tunnel restriction code (D/E).

Technical name: Hydrocarbons, liquid, N.A.S.

By sea:

Class IMO 3 UN 3295.

Packaging Group III.

Label corrosive.

EMS F-E S-E.

Marine pollutant No.

Proper shipping name: Hydrocarbons, liquid, N.A.S.

By air:

IATA 3 UN:3295.

Packing group III.

Packing instruction 310 quantity max:220l.

Pass:

Packing instruction 309 quantity max 60l.

Particular instructions A3.

Proper shipping name: Hydrocarbons, liquid, N.A.S.

15. Regulatory Information

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

In compliance with DM dtd 28.01.1992, the product is labeled as follows:

Risk sentence: Flammable. Orange rectangle.

Safety sentence: Keep far from heating sources. Do not smoke (S16).

Regulation CE n. 1907/2006 (Reach), Annex XIV list of substances subject to authorization.

Substances SVHC: none.

Annex XVII: none.

The staff working with this kind of product must be subject to sanitary checks as foreseen in the Art. 41 of D.Lgs. 81 dtd April 9 2008, unless the risk for the worker is regarded as not relevant, as foreseen in the Art.224 comma 2.

16. Other Information

Classification according to Regulation CE 1272/2008:

Hazard indications:

- Flam. Liq.2 Flammable liquid, cat. 2
- Acute tox.3 High toxicity, cat. 3
- STOT SE 1 Specific toxicity for target- single exposure, Cat. 1
- Flam.Liq.3 Flammable liquid, cat.3
- STOT SE 3 Specific toxicity for target-single exposure, Cat.3
- Carc. 1B Cancerogenicity, CAT 1 B
- Muta , 1B Mutagenicity on stem cells, cat. 1 B
- Asp. Tox.1 Danger in case of aspiration, cat. 1
- Acute tox.4 High toxicity, cat. 4
- STOT RE 1 Specific toxicity for target- repeated exposure, cat. 1
- Eye Irrit. 2 Eyes irritation, cat.2
- Aquatic Acute 1 Dangerous for fish fauna, high toxicity, cat.1
- Aquatic Chronic 1 Dangerous for fish fauna, high toxicity, cat.1
- H226 Liquid and flammable vapours
- H305 may be harmful if swallowed and by penetrating breathing ways
- H314 causes severe skin burning
- H315 causes skin irritation
- H319 Causes eye irritation
- H400 Very toxic for water organism
- EUH066 Continuous exposure may cause skin dryness and cracks.
- P260 do not breath vapours in aerosol

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- P301+330+331 in case of ingestion rinse the mouth and do not induce vomit
- P303+361+353 in case of contact with the skin (or hair) immediately take dirty clothes off. Rinse the skin, take a shower
- P305+351+338 in case of contact with eyes rinse very well for some minutes, take off eventual lens and rinse again
- R10 flammable
- R11 easily flammable
- R 23/24/25 toxic by inhalation, skin contact, ingestion
- R36 eyes irritating
- R48/25 toxic: serious healthy damages in case of long exposure by ingestion.
- R50/53 high toxic for aquatic organism, at long term it may cause negative effects for fish fauna
- R65 harmful: if swallowed could cause serious damage to lungs
- R66 continuous exposure may cause skin dryness and cracks
- R67 vapours inhalation may cause sleepiness and giddiness
- R68 possibility of non-reversible effects.

General bibliography:

1. Directive 1999/45/CE and following modifications
2. Directive 67/548/CEE and following modifications
3. Regulation (CE) 1907/2006 of European Parliament (REACH)
4. Regulation (CE) 790/2009 of European Parliament (I Atp. CLP)
5. Regulation (CE) 453/2010 of European Parliament
6. The Merck Index Ed. 10
7. Handling Chemical Safety
8. Niosh- Registry of Toxic Effects of Chemicals Substances
9. INRS – Fiche Toxicologique
10. Patty- Industrial Hygiene and Toxicology
11. N.I. Sax. – Dangerous properties of Industrial Materials – 7 Ed. 1989

User's notes:

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