

SAFETY DATA SHEET

TAN

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name TAN

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

Identified uses Floor polish remover

1.3. Details of the supplier of the safety data sheet

Supplier **HYGENOL CLEANING SUPPLIES LTD**
UNIT 5
PARKWAY BUS CENTRE
DEESIDE
CHESTER
CHESHIRE
CH5 2LD
UNITED KINGDOM

Tel. 01244 288 882
Fax. 01244 288 878
email info@hygenol.co.uk

1.4. Emergency telephone number

National emergency telephone number Mon to Fri 8.30am to 5.00pm - 01244 288 882

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

C;R34.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

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P102 Keep out of reach of children.
 P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P315 Get immediate medical advice/attention.
 P405 Store locked up.

Contains 2-AMINOETHANOL, DISODIUM METASILICATE, SODIUM HYDROXIDE

2.3. Other hazards

No other hazards known. This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHYLENE DIAMINE TETRA ACETIC ACID TETRA SODIUM SALT SOLUTION (DO NOT USE- USE Intermediate instead)		5-10%
CAS number: 64-02-8 EC number: 200-573-9		
Classification Eye Irrit. 2 - H319		Classification (67/548/EEC or 1999/45/EC) Xi;R36.
DISODIUM METASILICATE		1-5%
CAS number: 6834-92-0 EC number: 229-912-9		
Classification Skin Corr. 1B - H314 STOT SE 3 - H335		Classification (67/548/EEC or 1999/45/EC) C;R34 Xi;R37
2-AMINOETHANOL		1-5%
CAS number: 141-43-5 EC number: 205-483-3		
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 STOT SE 3 - H335		Classification (67/548/EEC or 1999/45/EC) C;R34 Xn;R20/21/22
ANIONIC SURFACTANT		1-5%
CAS number: — EC number: —		
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335		Classification (67/548/EEC or 1999/45/EC) Xi;R36/37/38.

TAN

SODIUM HYDROXIDE

1-5%

CAS number: 1310-73-2 EC number: 215-185-5

Classification

Met. Corr. 1 - H290

Skin Corr. 1A - H314

Classification (67/548/EEC or 1999/45/EC)

C;R35

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

CAUTION! First Aid personnel must be aware of own risk of burns. Chemical burns must be dealt with immediately, do not delay.

Inhalation

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. If breathing stops, provide artificial respiration.

Ingestion

Do not induce vomiting. Give plenty of water to drink. Rinse mouth thoroughly with water. Get medical attention immediately.

Skin contact

Remove affected person from source of contamination. Get medical attention if irritation persists after washing. Continue to rinse for at least 15 minutes. Remove contaminated clothing. Rinse immediately with plenty of water.

Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Continue to rinse for at least 15 minutes.

4.2. Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Irritation of nose, throat and airway.

Ingestion

Causes chemical burns to mouth, throat and stomach.

Skin contact

Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye contact

Severe irritation, burning and tearing. Corneal damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is non-combustible. Extinguish with the following media: Foam. Water spray. Dry chemicals, sand, dolomite etc. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

When heated, vapours/gases hazardous to health may be formed.

5.3. Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Inform authorities if large amounts are involved. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store away from the following materials: Acids.

Storage class

Controlled substance storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

See product label for detailed usage and instructions.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

2-AMINOETHANOL

Long-term exposure limit (8-hour TWA): WEL 1 ppm(Sk) 2.5 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 3 ppm(Sk) 7.6 mg/m³(Sk)

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

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Ingredient comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Eye/face protection

The following protection should be worn: Tight-fitting safety glasses.

Hand protection

Wear protective gloves made of the following material: Nitrile rubber.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Clear liquid. Liquid

Colour

Red.

Odour

Odourless.

pH

pH (concentrated solution): 13.5

Relative density

1.083 - 1.093 @ @ 20°C

Solubility(ies)

Soluble in water.

9.2. Other information

Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

May react with other cleaning chemicals. For specific reactions refer to Section 10.5

10.2. Chemical stability

Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Avoid contact with acids.

10.5. Incompatible materials

Materials to avoid

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Strong acids. Reacts strongly with light metals such as aluminium and zinc, producing hydrogen which is Highly Flammable.

10.6. Hazardous decomposition products

No specific hazardous decomposition products noted.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

Acute toxicity - oral

ATE oral (mg/kg)

18,705.57426113

Acute toxicity - dermal

ATE dermal (mg/kg)

41152.26337449

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)

411.52263374

Inhalation

May cause respiratory system irritation.

Ingestion

Corrosive. Severe abdominal pain. Small amounts may cause serious damage.

Skin contact

This product is strongly irritating. Prolonged contact may cause burns.

Eye contact

Risk of serious damage to eyes.

SECTION 12: Ecological Information

Ecotoxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

12.1. Toxicity

Aquatic toxicity has not been carried out on this product. Data for raw materials contained in this product, when available, can be provided when necessary.

12.2. Persistence and degradability

Persistence and degradability

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product contains substances, which are water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, NOS (Sodium hydroxide,Sodium metasilicate)
Proper shipping name (IMDG)	CORROSIVE LIQUID, NOS (Sodium hydroxide,Sodium metasilicate)
Proper shipping name (ICAO)	CORROSIVE LIQUID, NOS (Sodium hydroxide,Sodium metasilicate)
Proper shipping name (ADN)	CORROSIVE LIQUID, NOS (Sodium hydroxide,Sodium metasilicate)

14.3. Transport hazard class(es)

ADR/RID class	8
IMDG class	8
ICAO class/division	8

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

14.5. Environmental hazards

14.6. Special precautions for user

Tunnel restriction code	(E)
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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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Guidance

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. CHIP for everyone HSG228.

15.2. Chemical safety assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

SECTION 16: Other information

General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision date 04/12/2014

Revision 12

Risk phrases in full

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R35 Causes severe burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R37 Irritating to respiratory system.

R36 Irritating to eyes.

R34 Causes burns.

Hazard statements in full

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.