SAFETY DATA SHEET

VPD8011AX DS1008

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

1.1.Product identifier

Product name Topstik Activator

Product number VPD8011AX

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

Identified uses Activator.

1.3.Details of the supplier of the safety data sheet

Supplier

Directa UK Ltd
Cold Norton
Essex
CM3 6UA
01621 828882
sales@directa.co.uk

SECTION 2: Hazards identification

2.1.Classification of the substance or mixture

Classification

Physical hazards
Aerosol 1 - H222, H229

Health hazards
Skin Irrit. 2 - H315 STOT SE 3 - H336

Environmental hazards
Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)
F+; R12. Xi; R38. N; R51/53. R67

Human health
Vapours and spray/mists in high concentrations are narcotic.

Environmental
The product contains a substance which is toxic to aquatic organisms.

Physicochemical
Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2.Label elements

Pictogram



Signal word: Danger

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing vapour/spray.

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

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

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Contains: HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE, HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE

Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling.

P273 Avoid release to the environment.

P321 Specific treatment (see medical advice on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with national regulations.

2.3.Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE	30-60%
CAS number: 64742-49-0 EC number: 921-024-6 REACH registration number: 01-2119475514-35-XXXX	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 STOT SE 3 - H336 Aquatic Chronic 2 - H411	

PETROLEUM GASES, LIQUEFIED	30-60%
CAS number: 68476-85-7 EC number: 270-704-2	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Gas 1 - H220 Press. Gas, Compressed - H280	

HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE	10-30%
CAS number: 64742-49-0 EC number: 931-254-9 REACH registration number: 01-2119484651-34-XXXX	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 STOT SE 3 - H336 Asp. Tox. 1 - H304 STOT SE 3 - H336	

N,N-DIMETHYL-P-TOLUIDINE	<1%
CAS number: 99-97-8 EC number: 202-805-4	
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT RE 2 - H373 Aquatic Chronic 3 - H412	

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

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.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.

Ingestion

Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

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

General information

See Section 11 for additional information on health hazards.

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

Foam, carbon dioxide or dry powder.

5.2.Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3.Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1.Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2.Environmental precautions

Environmental precautions

Avoid discharge into drains.

6.3.Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. 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. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1.Precautions for safe handling

Usage precautions

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene

Wash promptly with soap and water if skin becomes contaminated.

7.2.Conditions for safe storage, including any incompatibilities

Storage precautions

Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

7.3.Specific end use(s)

Specific end use(s)

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

SECTION 8: Exposure Controls/personal protection

8.1.Control parameters

Occupational exposure limits

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE (CAS: 64742-49-0)

DNEL	Consumer - Oral; Long term systemic effects: 699 mg/kg/day Workers - Oral; Long term systemic effects: 773 mg/kg/day Workers - Dermal; Long term systemic effects: 773 mg/kg/day Consumer - Dermal; Long term systemic effects: 699 mg/kg/day Consumer - Inhalation; Long term systemic effects: 608 mg/m³

HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE (CAS: 64742-49-0)

DNEL	Consumer - Oral; Long term systemic effects: 1301 mg/kg/day Consumer - Dermal; Long term systemic effects: 1377 mg/kg/day Workers - Dermal; Long term systemic effects: 13964 mg/kg/day Consumer - Inhalation; Long term systemic effects: 1131 mg/m³ Workers - Inhalation; Long term systemic effects: 5306 mg/m³

8.2.Exposure controls

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

No specific hand protection recommended.

Other skin and body protection

Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

Respiratory protection

No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1.Information on basic physical and chemical properties

Appearance Aerosol.

Colour Clear.

Odour Solvents

Odour threshold No information available.

pH No information available.

Melting point No information available.

Initial boiling point and range -41 (-41 TO 215)°C @

Flash point

-40°C CC (Closed cup).

Evaporation rate No information available.

Evaporation factor
No information available.

Flammability (solid, gas)
No information available.

Upper/lower flammability or explosive limits
Lower flammable/explosive limit: 1 % Upper flammable/explosive limit: 9.5 %

Vapour pressure
No information available.

Vapour density
No information available.

Relative density
0.625

Solubility(ies)
Insoluble in water.

Partition coefficient
No information available.

Auto-ignition temperature
413°C

Decomposition Temperature
No information available.

Viscosity
No information available.

Oxidising properties
No information available.

9.2.Other information

Other information
None.

SECTION 10: Stability and reactivity

10.1.Reactivity

No test data specifically related to reactivity available for this product or its ingredients.

10.2.Chemical stability

Stability
The product may not be stable under some conditions of storage or use.

10.3.Possibility of hazardous reactions

None known.

10.4.Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5.Incompatible materials

Materials to avoid
None known.

10.6.Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)
15,151.51515152

Acute toxicity - dermal

ATE dermal (mg/kg)
45454.54545455

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)
454.54545455

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Inhalation
Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

Skin contact
Causes skin irritation.

Eye contact
Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards
No known chronic or acute health risks.

Route of entry
Skin and/or eye contact Inhalation

Toxicological information on ingredients.

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)
5,001.0

Species
Rat

ATE oral (mg/kg)
5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)
2001.0

Species
Rabbit

ATE dermal (mg/kg)
2001.0

HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,001.0

Species

Rat

ATE oral (mg/kg)

5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

2001.0

Species

Rabbit

ATE dermal (mg/kg)

2001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

21.0

Species

Rat

ATE inhalation (vapours mg/l)

21.0

N,N-DIMETHYL-P-TOLUIDINE

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

1,650.0

Species

Rat

ATE oral (mg/kg)

100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

1.4

Species

Rat

ATE inhalation (vapours mg/l)

3.0

SECTION 12: Ecological Information

12.1.Toxicity

Ecological information on ingredients.

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE

Acute toxicity - fish

LOEC, : 1-10 mg/l, Fish

Acute toxicity - aquatic plants

LOEC, : 10-100 mg/l, Algae

Acute toxicity - microorganisms

LOEC, : 1-10 mg/l, Activated sludge

HYDROCARBONS, C6 ISOALKANES <5% N-HEXANE

Acute toxicity - fish

LOEC, : 10-100 mg/l, Fish

Acute toxicity - aquatic plants

LOEC, : 10-100 mg/l, Algae

N,N-DIMETHYL-P-TOLUIDINE

Acute toxicity - fish

LC_{50}, 96 hours: 46-52 mg/l, Pimephales promelas (Fat-head Minnow)

12.2.Persistence and degradability

Persistence and degradability

No data available.

12.3.Bioaccumulative potential

Partition coefficient

No information available.

12.4.Mobility in soil

Mobility

No data available

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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Dispose of waste product or used containers in accordance with local regulations

Disposal methods

Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not pierce or burn, even after use.

SECTION 14: Transport information

14.1.UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2.UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3.Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels

14.4.Packing group

Not applicable.

14.5.Environmental hazards

Environmentally hazardous substance/marine pollutant

Yes.

14.6.Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

14.7.Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

National regulations
The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation
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). 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).

15.2.Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date	30/07/2014
Revision	2
Supersedes date	16/07/2014
SDS number	4805

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H280 Contains gas under pressure; may explode if heated.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.