



SAFETY DATA SHEET

D405 ANAEROBIC ACTIVATOR

Page 1

Issued: 14/03/2013

Revision No: 3

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

Product name: D405 ANAEROBIC ACTIVATOR

Product code: D405

Company name: Delta Adhesives Limited
Units 39-41, Claycliffe Business Park
Cannon Way, Barugh Green
Barnsley
South Yorkshire
S75 1JU
United Kingdom
Tel: +44 (0) 1226 381571
Fax: +44 (0) 1226 381722
Emergency tel: +44 (0)7729 773555 (Office Hours Only)
Email: info@delta-adhesives.co.uk

2. HAZARDS IDENTIFICATION

Classification under CHIP: Extremely flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Workplace exposure limit: This substance does not have a workplace exposure limit.

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

Directive 1999/45/EC: This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED LIGHT 30-50%
EINECS: 265-151-9 CAS: 64742-49-0
[T] R46; [Xn] R65; [F+] R12; [Xi] R38; [N] R51/53

- COPPER NAPHTHENATE <1%
EINECS: 215-657-0 CAS: 1338-02-9
[-] R10; [Xn] R22; [N] R50/53
- BUTANE (*WEL) 10-30%
EINECS: 203-448-7 CAS: 106-97-8
[F+] R12
- N-HEXANE 1-10%
EINECS: 203-777-6 CAS: 110-54-3
[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R62; [Xn] R65; [-] R67; [N] R51/53

[cont...]

SAFETY DATA SHEET

D405 ANAEROBIC ACTIVATOR

- PROPAN-2-OL 1-10%
EINECS: 200-661-7 CAS: 67-63-0
[F] R11; [Xi] R36; [-] R67
- PROPANE (*WEL) 10-30%
EINECS: 200-827-9 CAS: 74-98-6
[F+] R12

4. 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.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.
- 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.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- 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. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- 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.

7. HANDLING AND STORAGE

- 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.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: BUTANE

UK - 8 hour TWA: 1450 mg/m³

UK - 15 min. STEL: 1810 mg/m³

- N-HEXANE

UK - 8 hour TWA: 72 mg/m³

- PROPAN-2-OL

UK - 8 hour TWA: 999 mg/m³

UK - 15 min. STEL: 1250 mg/m³

- PROPANE

UK - 8 hour TWA: 1800 mg/m³

UK - 15 min. STEL: 7200 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Colourless

Flash point°C: -40

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Stable at room temperature.

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute effects: Irritating to skin.

11. TOXICOLOGICAL INFORMATION (SYMPTOMS)

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.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1950

ADR Class: 2

Classification code: 5F

Shipping name: AEROSOLS (LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED LIGHT; COPPER NAPHTHENATE; BUTANE; PROPANE; N-HEXANE; PROPAN-2-OL)

Labelling: 2.1+EHS

**IMDG / IMO**

UN no: 1950

Class: 2

EmS: F-D,S-U

Marine pollutant: .

Labelling: 2.1+EHS

IATA / ICAO

UN no: 1950

Class: 2

Labelling: 2.1+EHS

15. REGULATORY INFORMATION (CHIP)

Hazard symbols: Extremely flammable.

Irritant.

Dangerous for the environment.



Risk phrases: R12: Extremely flammable.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S2: Keep out of the reach of children.

S29: Do not empty into drains.

S51: Use only in well-ventilated areas.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Haz. ingredients (label): LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED LIGHT; COPPER NAPHTHENATE; N-HEXANE

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

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

Risk phrases used in s.3: R46: May cause heritable genetic damage.

R65: Harmful: may cause lung damage if swallowed.

R12: Extremely flammable.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10: Flammable.

SAFETY DATA SHEET
D405 ANAEROBIC ACTIVATOR

R22: Harmful if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R11: Highly flammable.

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

R62: Possible risk of impaired fertility.

R67: Vapours may cause drowsiness and dizziness.

R36: Irritating to eyes.

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.