

SAFETY DATA SHEET

Stuk Vinyl & Plastic Spray

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Stuk Vinyl & Plastic Spray
 PRODUCT NO. SA1676
 SUPPLIER STUK Ltd
 3 Empire Way
 Gloucester
 GL2 5HY
 01452 505 712
 01452 303 700

2 HAZARDS IDENTIFICATION

Highly flammable Vapours may cause drowsiness and dizziness. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xi;R36/38. F;R11. N;R51/53. R67.

ENVIRONMENT

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

PHYSICAL AND CHEMICAL HAZARDS

Pressurised container: Must not be exposed to temperatures above 50°C. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content % | Classification (67/548/EEC) |
|------------------------|-----------|------------|-----------|--|
| ACETONE | 200-662-2 | 67-64-1 | 10-30% | F;R11 Xi;R36 R66 R67 |
| ALIPHATIC HYDROCARBON | 265-151-9 | 64742-49-0 | 10-30% | Xn;R65. Xi;R38. F;R11. N;R51/53. R67. |
| BUTANE/ISOBUTANE | | 106-97-8 | 10-30% | F+;R12. |
| BUTANONE | 201-159-0 | 78-93-3 | 1-5% | F;R11 Xi;R36 R66 R67 |
| HEPTANE | 205-563-8 | 142-82-5 | 1-5% | F;R11 Xn;R65 Xi;R38 R67 N;R50/53 |
| HEXANE-norm | 203-777-6 | 110-54-3 | 1-5% | F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67 N;R51/53 |
| HYDROCARBON DISTILLATE | 265-086-6 | 64741-84-0 | 10-30% | Xn;R65. F;R11. N;R51/53. |
| PROPANE | 200-827-9 | 74-98-6 | 10-30% | F+;R12 |

The Full Text for all R-Phrases is Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once.

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention if any discomfort continues.

SKIN CONTACT

Wash skin with soap and water. Get medical attention if any discomfort continues.

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EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to reduce vapours. Aerosol cans may explode in a fire. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

UNUSUAL FIRE & EXPLOSION HAZARDS

Extremely flammable. Forms explosive mixtures with air. May explode in a fire. Vapours are heavier than air and may spread near ground to sources of ignition.

SPECIFIC HAZARDS

Pressurised container: Must not be exposed to temperatures above 50°C.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Provide ventilation and confine spill. Do not allow runoff to sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray mists. Do not spray on a naked flame or any incandescent material. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

STORAGE PRECAUTIONS

Extremely flammable. Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|------------------|-----|-------------|----------------------------|---------------|----------------------------|-------|
| ACETONE | WEL | 500 ppm | 1210 mg/m ³ | 1500 ppm | 3620 mg/m ³ | |
| BUTANE/ISOBUTANE | WEL | 600 ppm | | 750 ppm | | |
| BUTANONE | WEL | 200 ppm(Sk) | 600 mg/m ³ (Sk) | 300 ppm(Sk) | 899 mg/m ³ (Sk) | |
| HEPTANE | WEL | 500 ppm | | | | |
| HEXANE-norm | WEL | 20 ppm | 72 mg/m ³ | | | |

WEL = Workplace Exposure Limit.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

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HYGIENE MEASURES

When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------|--|
| APPEARANCE | Aerosol. |
| COLOUR | Varying. |
| ODOUR | of solvents |
| PHYSICAL DATA COMMENTS | Information given concerns the major ingredient. 23 Flammable gas. |
| FLASH POINT (°C) | <-40°C |
| AUTO IGNITION TEMPERATURE (°C) | 410-580 |
| FLAMMABILITY LIMIT - LOWER(%) | 1.8% |
| FLAMMABILITY LIMIT - UPPER(%) | 9.5% |

10 STABILITY AND REACTIVITY

STABILITY

Highly volatile.

CONDITIONS TO AVOID

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

11 TOXICOLOGICAL INFORMATION

SKIN CONTACT

Irritating to skin. Prolonged and frequent contact may cause redness and irritation.

EYE CONTACT

Irritating to eyes. Spray and vapour in the eyes may cause irritation and smarting.

HEALTH WARNINGS

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Arrhythmia, (deviation from normal heart beat).

ROUTE OF ENTRY

Inhalation. Skin absorption.

TARGET ORGANS

Central nervous system Respiratory system, lungs

MEDICAL SYMPTOMS

Narcotic effect. Vapours may cause drowsiness and dizziness.

| | |
|----------------------|---|
| | HEPTANE (CAS: 142-82-5) |
| TOXIC DOSE 1 - LD 50 | 500ppm |
| | ACETONE (CAS: 67-64-1) |
| TOXIC DOSE 1 - LD 50 | 3 mg/kg (oral-mouse) |
| TOXIC DOSE 2 - LD 50 | 5800 mg/kg (oral rat) |
| | ALIPHATIC HYDROCARBON (CAS: 64742-49-0) |
| TOXIC DOSE 1 - LD 50 | >5000 mg/kg (oral rat) |

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. Dangerous for the environment if discharged into watercourses. Do not allow to enter drains, sewers or watercourses.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Make sure containers are empty before discarding (explosion risk). Do not puncture or incinerate even when empty. Dispose of waste and residues in accordance with local authority requirements.

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14 TRANSPORT INFORMATION



| | |
|--|----------------|
| PROPER SHIPPING NAME | AEROSOLS |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT | No. |
| UN NO. ROAD | 1950 |
| ADR CLASS NO. | 2, 5F |
| ADR CLASS | Class 2: Gases |
| ADR PACK GROUP | # |
| ADR LABEL NO. | 2.1 |
| UN NO. SEA | 1950 |
| IMDG CLASS | 2 |
| IMDG PACK GR. | # |
| EMS | F-D, S-U |
| UN NO. AIR | 1950 |
| AIR CLASS | 2 |
| AIR SUB CLASS | 2.1 |
| AIR PACK GR. | # |

15 REGULATORY INFORMATION

LABELLING



Irritant



Highly flammable



Dangerous for the environment

RISK PHRASES

| | |
|--------|---|
| R11 | Highly flammable |
| R36/38 | Irritating to eyes and skin. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 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 vapour/spray. |
| S24/25 | Avoid contact with skin and eyes. |
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S37 | Wear suitable gloves. |
| S38 | In case of insufficient ventilation, wear suitable respiratory equipment. |
| S57 | Use appropriate containment to avoid environmental contamination. |

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| | |
|-----|---|
| S60 | This material and its container must be disposed of as hazardous waste. |
| S61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

16 OTHER INFORMATION

DATE 14 September 2011

RISK PHRASES IN FULL

| | |
|--------|--|
| R12 | Extremely flammable. |
| R48/20 | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R11 | Highly flammable |
| R36/38 | Irritating to eyes and skin. |
| R36 | Irritating to eyes. |
| R38 | Irritating to skin. |
| R62 | Possible risk of impaired fertility. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R67 | Vapours may cause drowsiness and dizziness. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.