



SAFETY DATA SHEET

MEGA STRENGTH ADHESIVE

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

Product name: MEGA STRENGTH ADHESIVE

Product code: 5620

Use / description of product: Harmful. Irritant. Sensitising.

Company name: STS Ltd

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HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation.

COMPOSITION / INFORMATION ON INGREDIENTS

Main hazards: Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation.

Hazardous ingredients: DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES) 10-30%

CAS: 9016-87-9 [Xn] R20; [Xi] R36/37/38; [Sens.] R42

FIRST AID MEASURES (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.

FIRST AID MEASURES (ACTION)

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.



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Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

ACCIDENTAL RELEASE MEASURES

Personal precautions: 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. 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: Clean up should be dealt with only by qualified personnel familiar with the specific substance. Allow product to solidify and remove it by mechanical means. Remove uncured foam with acetone. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

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.

Storage conditions: Store in cool, well-ventilated area. Keep container tightly closed. Store in original containers between +5 and +25°C. Storage outside these parameters will dramatically reduce shelf life and invalidates all product warranties.

Suitable packaging: Must only be kept in original packaging.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES) TWA (8 hr exposure limit): 0.02 mg/m³ STEL (15 min exposure limit): 0.07 mg/m³ (OES)

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Gas/vapour filter, type A: organic vapours (EN141). must be worn if vapour concentration is above OES or if ventilation is poor.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.



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PHYSICAL AND CHEMICAL PROPERTIES

State: Paste

Colour: Colourless

Odour: Barely perceptible odour

Evaporation rate: Negligible

Solubility in water: Insoluble

Also soluble in: Most organic solvents in uncured state.

Viscosity: Highly viscous

Viscosity value: 300000mpas

Boiling point/range°C: 200

Flash point°C: N/A

Autoflammability°C: >200

Relative density: 1.03

Volatile Organic Compounds (VOCs): The STS Mega Strength is VOC free.

STABILITY AND REACTIVITY

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

Conditions to avoid: Heat. Moist air. Humidity. Direct sunlight.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of hydrogen cyanide.

TOXICOLOGICAL INFORMATION

Hazardous ingredients: DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

ORL RAT LD50 49 gm/kg

SKN RBT LD50 >9400 mg/kg

Chronic toxicity: May cause sensitisation by inhalation. May cause sensitisation by skin contact.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

ECOLOGICAL INFORMATION

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: Negligible ecotoxicity. Not dangerous to ozone layer (1999/45/EC)



DISPOSAL CONSIDERATIONS

Disposal operations: Waste material code (91/689/EEC, Council Decision 2001/118/EC, O[Cont.JL47...of] 16/2/2002):

Disposal of packaging: 08 05 01 (waste isocyanates)

Waste material code packaging (91/689/EEC); Council decision 2001/118/EC, O.J L47 of 16/2/2001) 15 01 10
(packaging containing residues of or contaminated by dangerous substances)

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

TRANSPORT INFORMATION ADR / RID

UN no: -

Shipping name: "NOT SUBJECT TO ADR"

IMDG / IMO

UN no: -

IATA / ICAO

UN no:

REGULATORY INFORMATION

Hazard symbols: Harmful.

Risk phrases: R20: Harmful by inhalation.

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

R42: May cause sensitisation by inhalation.

Safety phrases:

S2: Keep out of the reach of children.

S13: Keep away from food, drink and animal feeding stuffs.

S23: Do not breathe vapour.

S37/39: Wear suitable gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Precautionary phrases: Contains isocyanates. See information supplied by the manufacturer.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The [Cont...]

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.

OTHER INFORMATION**Risk phrases used in s.2:**

R20: Harmful by inhalation.

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

R42: May cause sensitisation by inhalation.

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. STS Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

IMAGE OF PRODUCT