

STS

Material Safety Data

NoMorePly® Slow Set MegaStrength PU Adhesive

**BUILDING
BETTER**

Document No. 5663231020

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.10.2020

Revision: 23.10.2020

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

- 1.1 Product identifier
- Trade name: NoMorePly® Slow Set MegaStrength PU Adhesive
- Article number/sku code: 5663
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- 1.2.1 Relevant identified uses
- Sector of Use
 - SU3 Industrial uses: uses of substances as such or in preparations at industrial sites
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- Product category PC1 Adhesives, sealants
- Process category PROC5 Mixing or blending in batch processes
- Environmental release category ERC5 Use at industrial site leading to inclusion into/onto article
- Application of the substance / the preparation : Adhesive
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
 - STS Ltd
 - Unit 3 Ravens Park
 - Victoria Road, Seacroft
 - Leeds
 - ENGLAND
 - Phone: 0113 202 2010
 - Fax : 0113 301 0212
 - E-mail: sales@sts-uk.com
 - Internet : <http://www.sts-uk.com>
- Information department: Research & Development
- 1.4 Emergency telephone number: 0113 202 2010

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SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
 - Acute Tox. 4 H332 Harmful if inhaled.
 - Skin Irrit. 2 H315 Causes skin irritation.
 - Eye Irrit. 2 H319 Causes serious eye irritation.
 - Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 - Skin Sens. 1 H317 May cause an allergic skin reaction.
 - Carc. 2 H351 Suspected of causing cancer.
 - STOT SE 3 H335 May cause respiratory irritation.
 - STOT RE 2 H373 May cause damage to the respiratory system through prolonged or repeated exposure.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
 - The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS07

GHS08

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- Signal word Danger
- Hazard-determining components of labelling:
 - diphenylmethane-2,4'-diisocyanate
 - 4,4'-methylenediphenyl diisocyanate
 - diphenylmethane-2,2'-diisocyanate
- Hazard statements
 - H332 Harmful if inhaled.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 - H317 May cause an allergic skin reaction.
 - H351 Suspected of causing cancer.
 - H335 May cause respiratory irritation.
 - H373 May cause damage to the respiratory system through prolonged or repeated exposure.
- Precautionary statements
 - P260 Do not breathe vapours.
 - P280 Wear protective gloves.
 - P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P333+P313 If skin irritation or rash occurs: Get medical attention.
 - P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- Additional information : Restricted to professional users.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Adhesive containing a polyurethane prepolymer based on diphenylmethanediisocyanate

· Dangerous components:

CAS: 5873-54-1 EINECS: 227-534-9 Reg.nr.: 01-2119480143-45	diphenylmethane-2,4'-diisocyanate	5-15%
	 Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;  Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	
CAS: 101-68-8 EINECS: 202-966-0 Reg.nr.: 01-2119457014-47	4,4'-methylenediphenyl diisocyanate	5-15%
	 Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;  Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	
CAS: 26761-40-0 EINECS: 247-977-1 Reg.nr.: 01-2119422347-43	diisodecyl phthalate substance with a Community workplace exposure limit	2-5%
CAS: 6425-39-4 EINECS: 229-194-7 Reg.nr.: 01-2119969278-20	2,2'-dimorpholinyl diethyl ether	<2%
	 Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 2536-05-2 EINECS: 219-799-4 Reg.nr.: 01-2119927323-43	diphenylmethane-2,2'-diisocyanate	<1%
	 Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373;  Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	

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CAS: 28553-12-0 EINECS: 249-079-5	diisononyl phthalate substance with a Community workplace exposure limit	<0.5%
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- Additional information : For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information Immediately remove any clothing soiled by the product.
- After inhalation
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness, place patient stably inside position for transportation.
- After skin contact Immediately wash with water and soap and rinse thoroughly.
- After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing Do not induce vomiting; call for medical help immediately.
- 4.2 Most important symptoms and effects, both acute and delayed
Nausea
Headache
Dizziness
Coughing
Breathing difficulty
- 4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents CO₂, extinguishing powder or water spray.
- For safety reasons unsuitable extinguishing agents Water with full jet.
- 5.2 Special hazards arising from the substance or mixture
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Hydrogen cyanide (HCN)
Isocyanates
- 5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Particular danger of slipping on leaked/spilled product.
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- 6.2 Environmental precautions: Do not allow product to reach sewage system or any water course.
- 6.3 Methods and material for containment and cleaning up:
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Do not close them (reaction with water forming carbon dioxide).

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- 6.4 Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care
- Information about protection against explosions and fires: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
Keep receptacle tightly sealed.
Store in dry conditions.
Store in a cool place.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- 8.1 Control parameters

· Components with limit values that require monitoring at the workplace:	
5873-54-1 diphenylmethane-2,4'-diisocyanate	
WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
101-68-8 4,4'-methylenediphenyl diisocyanate	
WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
26761-40-0 diisodecyl phthalate	
WEL	Long-term value: 5 mg/m ³
2536-05-2 diphenylmethane-2,2'-diisocyanate	
WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
28553-12-0 diisononyl phthalate	
WEL	Long-term value: 5 mg/m ³
· Ingredients with biological limit values:	
5873-54-1 diphenylmethane-2,4'-diisocyanate	
BMGV	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine

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101-68-8 4,4'-methylenediphenyl diisocyanate	
BMGV	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine
2536-05-2 diphenylmethane-2,2'-diisocyanate	
BMGV	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine

· Additional information: The lists that were valid during the creation were used as basis.

· 8.2 Exposure controls

· Personal protective equipment

· General protective and hygienic measures

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke while working.

Avoid contact with the eyes and skin.

· Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Short term filter device:

Filter AB

· Protection of hands:

Butyl, nitrile or polychloroprene rubber gloves of superior quality.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Eye protection: Tightly sealed goggles.

· Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Highly viscous
Colour:	Cream coloured
· Odour:	Light
· Change in condition	
Melting point/freezing point:	undetermined
Initial boiling point and boiling range:	> 200 °C
· Flash point:	Not applicable
· Self-ignition temperature:	> 200 °C
· Decomposition temperature:	> 140 °C

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· Self igniting:	Product is not selfigniting at room temperature.
· Explosive properties:	Product does not present an explosion hazard.
· Density at 20 °C:	1.07
· Solubility in / Miscibility with Water:	Insoluble
· Viscosity: dynamic at 20 °C:	400 000 mPa.s
· Solvent content: Organic solvents:	0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions
Reacts with alcohols, amines, aqueous acids and alkalis.
Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: None to our knowledge at room temperature.

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SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity
Harmful if inhaled.
- Primary irritant effect:
- Skin corrosion/irritation
Causes skin irritation.
- Serious eye damage/irritation
Causes serious eye irritation.
- Respiratory or skin sensitisation
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
- Additional toxicological information:
Persons having a history of asthma or of allergies, chronic or recurring difficulties in breathing, must never use this preparation.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity
Suspected of causing cancer.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure
May cause respiratory irritation.

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- STOT-repeated exposure
May cause damage to the respiratory system through prolonged or repeated exposure.
- Aspiration hazard Based on available data, the classification criteria are not met.

* SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- Recommendation
Must be disposed of in an incinerator for hazardous waste according to official regulations.
- Waste disposal key: 08 04 09*
- Uncleaned packaging :
- Recommendation:
Disposal must be made according to official regulations.
The packaging may be decontaminated for example with the following mixture : water + 5 to 10 % sodium carbonate + 0.2 to 1 % liquid detergent. Add this mixture to the residues in the unclosed container in order to allow carbon dioxide to escape. Let react during several days until no reaction occurs.

* SECTION 14: Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG · IATA	Void Not regulated Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void

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· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

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SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - Directive 2012/18/EU
 - Named dangerous substances - ANNEX I None of the ingredients is listed.
 - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 52b, 56a, 56b, 56c
 - National regulations
 - French VOC regulation (decree n° 2011-321) : Class A+

· Biocides regulation (UE/2012/528)
None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This data sheet is particularly in accordance with the European regulations 1907/2006/EC, 1272/2008/EC and their amendments; it is written according to annex II of the European regulation 830/2015/EC.

- Relevant phrases
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 - H335 May cause respiratory irritation.
 - H351 Suspected of causing cancer.
 - H373 May cause damage to the respiratory system through prolonged or repeated exposure.
- Department issuing SDS: Laboratory
- Contact: cf. § 1
- Review :
An asterisk in the margin of a paragraph means amendments in comparison to the former version.
- Abbreviations and acronyms:
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Acute Tox. 4: Acute toxicity – Category 4

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Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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