

WÜRTH GULF SUBMITTAL MS HYBRID POLYMER

Art. No. 0890 226101

Content: 290 ml

MSDS



SAFETY DATA SHEET

0890 226101 – MS HYBRID POLYMER INSTANT ADHESIVE - 290ML

Version 2.0

Revision Date 03.16.2015

Print Date 03.16.2015

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

1.1 Product identifier

Commercial Product Name : MS HYBRID POLYMER INSTANT ADHESIVE

Product Code : 0890 226101

1.2 Relevant identified uses of the mixture and uses advised against

Intended use : One component, methoxy silane-based, adhesive for generic industrial applications.

1.3 Details of the supplier of the safety data sheet

Company : Wurth Gulf Fze
POBox 17036
Dubai
Utd. Arab Emir.
E-mail address: wurthgulf@emirates.net.ae

Telephone : +9714 8834229
Telefax : +9714 8834303

1.4 Emergency telephone number

Emergency telephone Advisory office in case of poisoning
+9714 8834229

Telephone number of the company in case of emergencies
+97150 5646023

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture.

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.

2.1.1 Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication: --

2.2 Label elements.

Hazard pictograms: --

Signal words: --

Hazard statements:

EUH208 Contains: N-[3-(TRIMETHOXYSILYL)PROPYL]ETHYLENEDIAMINE.
May produce an allergic reaction.

Precautionary statements: --

Safety data sheet available for professional users on request.

2.3 Other Hazards.

Information not available.

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SECTION 3: Composition/information on ingredients.

3.1 Substances.

Information not relevant.

3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification 67/548/EEC.	Classification 1272/2008
(CLP). 2-(3,5-DI-TERT-PENTYL-2-HYDROXYPHENYL) BENZOTRIAZOLE			
CAS. 25973-55-1	0,15 - 0,2	Xn R48/22, R53	STOT RE 2 H373, Aquatic Chronic 4 H413
EC. 247-384-8			
INDEX.			
Reg. no. 01-2119955688-17-xxxx			

Note: Upper limit is not included into the range.

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

T+ = Very Toxic(T+), T = Toxic(T), Xn = Harmful(Xn), C = Corrosive(C), Xi = Irritant(Xi), O = Oxidizing(O), E = Explosive(E), F+ = Extremely Flammable(F+), F = Highly Flammable(F), N = Dangerous for the Environment(N)

SECTION 4: First aid measures.

4.1. Description of first aid measures.

EYES: remove immediately with a clean cloth or paper and wash affected area with soap and water.

SKIN: take off contaminated clothing. Wash immediately with plenty of water. If irritation persists, consult a doctor.

Wash contaminated clothing before reuse.

INHALATION: In case of feeling unwell remove patient to fresh air and seek medical attention if breathing difficulty succeeding.

INGESTION: eject the product and rinse mouth with water.

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

Prolonged contact may cause allergic reactions.

4.3. Indication of any immediate medical attention and special treatment needed.

Consult a doctor if symptoms are severe or in the case of persistent irritation of the skin.

SECTION 5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

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5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage.

7.1. Precautions for safe handling.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges.

Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

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SECTION 8. Exposure controls/personal protection.
8.1. Control parameters.

Regulatory References:

AUS	Österreich	Grenzwerteverordnung 2011 - GKV 2011
BEL	Belgique	AR du 11/3/2002. La liste est mise à jour pour 2010
CYP	Κύπρος	Κ.Δ.Π. 268/2001; Κ.Δ.Π. 55/2004; Κ.Δ.Π. 295/2007; Κ.Δ.Π. 70/2012
DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
ESP	España	Publicación: Límites de Exposición Profesional para Agentes Químicos en Espana 2012
FIN	Suomi	HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveystieteiden ministeriön
julkaisu 2012:5	FRA	France JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GRB	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
HRV	Hrvatska	NN13/09- Institut za sigurnost Zagreb
IRL	Éire	Code of Practice Chemical Agent Regulations 2011
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Council of Netherlands (SER) Values,
AF 2011:18	SWE	Occupational Exposure Limit Values, AF 2011:18
EU	OEL EU	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.TLV-ACGIH ACGIH 2014

VINYLTRIMETHOXYLANE.
Predicted no-effect concentration - PNEC.

Normal value in fresh water		
Normal value in marine water		
Normal value for fresh water sediment		
Normal value for water, intermittent release		
Normal value of STP microorganisms		
Normal value for the terrestrial compartment		

Health – Derived no-effect level – DNEL / DMEL

Effects on consumers.					Effects on workers.			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	0,3 mg/kg/d				
Inhalation.	VND	93,4 mg/m ³	VND	1,04 mg/m ³			VND	4,9 mg/m ³
Skin.	VND	26,9 mg/kg/d	VND	0,3 mg/kg/d			VND	0,69 mg/kg/d

DIBUTYLTIN DILAURATE
Threshold Limit Value.

Type	Country	TWA/8h	STEL/15min.
		mg/m ³ ppm	mg/m ³ ppm
OEL	ITA	0,1	0,2

METHANOL
Threshold Limit Value.

Type	Country	TWA/8h	STEL/15min.
		mg/m ³ ppm	mg/m ³ ppm
MAK	AUS	260	200
		1040	800
			SKIN.

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METHANOL

Threshold Limit Value.						
Type	Country	TWA/8h		STEL/15min.		
		mg/m ³	ppm	mg/m ³	ppm	
VLEP	BEL	266	200	333	250	SKIN.
TLV	CYP	260	200			SKIN.
AGW	DEU	270	200	1080	800	SKIN.
MAK	DEU	270	200	1080	800	SKIN.
VLA	ESP	266	200			SKIN.
HTP	FIN	270	200	330	250	SKIN.
VLEP	FRA	260	200	1300	1000	SKIN.
WEL	GRB	266	200	333	250	SKIN.
TLV	GRC	260	200	325	250	
GVI	HRV	260	200			SKIN.
MDK	HRV	260	200	310	250	
OEL	IRL	260	200			SKIN.
TLV	ITA	260	200			SKIN.
OEL	NLD	133	100			SKIN.
MAK	SWE	250	200	350	250	SKIN.
OEL	EU	260	200			SKIN.
TLV-ACGIH		262	200	328	250	

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2 Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

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ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Appearance	paste
Colour	various
Odour	characteristic
Odour threshold	Not available
pH	Not available
Melting point / freezing point.	Not available
Initial boiling point.	Not available
Boiling range.	Not available
Flash point.	> 250 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit.	Not available
Upper inflammability limit.	Not available
Lower explosive limit.	Not available
Upper explosive limit.	Not available
Vapour pressure.	Not available
Vapour density	Not available
Relative density.	1,59 Kg/l
Solubility	insoluble in water
Partition coefficient: n-octano/water	Not available
Auto-ignition temperature.	> 250 °C
Decomposition temperature.	Not available
Viscosity	320000 - 400000 cps
Explosive properties	Not available
Oxidising properties	Not available

SECTION 10. Stability and reactivity.

10.1 Reactivity

Product reacts slowly with water (ambient humidity) turning into a rubbery solid and producing METHANOL.

10.2 Chemical stability

Product stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions.

Under conditions of normal use and storage not hazardous reactions are foreseeable.

10.4 Conditions to avoid.

Humidity.

10.5 Incompatible Materials

Water.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

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SECTION 11. Toxicological information.

11.1 Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

2-(3,5-DI-TERT-PENTYL-2-HYDROXYPHENYL) BENZOTRIAZOLE
LD50 (Oral). > 2000 mg/kg ratto

SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1 Toxicity

2-(3,5-DI-TERT-PENTYL-2-HYDROXYPHENYL) BENZOTRIAZOLE
LC50 - for Fish. > 100 mg/l/96h

12.2 Persistence and degradability.

Information not available.

12.3 Bioaccumulative potential.

Information not available.

12.4 Mobility in soil.

Information not available.

12.5 Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6 Other adverse effects.

Information not available.

SECTION 13. Disposal considerations.

13.1 Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

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SECTION 15. Regulatory information.

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

Seveso category. None.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.
None.

Substances in Candidate List (Art. 59 REACH).

2-(3,5-DI-TERT-PENTYL-2-HYDROXYPHENYL) BENZOTRIAZOLE Reg. no.: 01-2119955688-17-xxxx

Substances subject to authorisation (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg.

649/2012: None.

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Information not available.

German regulation on the classification of substances hazardous to water (VwVwS 2005).

WGK 2: Hazard to waters

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic toxicity, category 4
H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R48/22	HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE IF SWALLOWED.
R53	MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number

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- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
 2. Directive 67/548/EEC and following amendments and adjustments
 3. Regulation (EU) 1907/2006 (REACH) of the European Parliament
 4. Regulation (EU) 1272/2008 (CLP) of the European Parliament
 5. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 6. Regulation (EU) 453/2010 of the European Parliament
 7. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 8. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 9. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 10. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 11. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - Niosh - Registry of Toxic Effects of Chemical Substances
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - ECHA website

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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 07 / 08 / 09 / 10 / 11 / 12 / 15 / 16.