

Page 1/16

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

1 Identification

- · Product identifier
- · Trade name: <u>T910 METALLIC BASE</u>
- · Article number: T910
- · Details of the supplier of the safety data sheet
- *Manufacturer/Supplier:* General Paint Co. SAL

P.O. Box 7623 Beirut LEBANON info@hymax.biz

· Information department: Product Safety Department

• Emergency telephone number: During normal opening times:1-800-535-5053

2 Hazard(s) identification

Classification of the substance or mixture
GHS02 Flame
Flam. Liq. 3 H226 Flammable liquid and vapor.
GHS08 Health hazard
Carc. 2 H351 Suspected of causing cancer.
GHS07
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.
Label elements
GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 2)



Page 2/16

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

Trade name: T910 METALLIC BASE

(Contd. of page 1) · Hazard pictograms GHS02 GHS07 GHS08 Signal word Warning · Hazard-determining components of labeling: n-butyl acetate methyl methacrylate 2-hydroxyethyl methacrylate 2,3-epoxypropyl neodecanoate · Hazard statements Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. May cause drowsiness or dizziness. Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.



acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

Page 3/16

(Contd. of page 2)

Trade name: T910 METALLIC BASE

Dispose of contents/container in accordance with local/regional/national/international regulations.

• NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)

HEALTH1Health = 1FIRE3Fire = 3REACTIVITY0Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
123-86-4	n-butyl acetate	>10- <i>≤</i> 25%
1330-20-7		>10- <i>≤</i> 25%
	2-methoxy-1-methylethyl acetate	<i>≤</i> 2.5%
	aluminium powder (pyrophoric)	<i>≤</i> 2.5%
	methyl methacrylate	<i>≤</i> 2.5%
	ethylbenzene	<i>≦</i> 2.5%
	2-hydroxyethyl methacrylate	<i>≦</i> 2.5%
26761-45-5	2,3-epoxypropyl neodecanoate	<i>≤</i> 2.5%

4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:
- Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

• After skin contact: Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 4)

acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

Page 4/16

(Contd. of page 3)

Trade name: T910 METALLIC BASE

- · After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- *Most important symptoms and effects, both acute and delayed* No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • For safety reasons unsuitable extinguishing agents: Water with full jet

- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.

• Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

- 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.
- · Protective Action Criteria for Chemicals

· PAC-1:	
123-86-4 n-butyl acetate	5 ppm
1330-20-7 xylene	130 ppm
108-65-6 2-methoxy-1-methylethyl acetate	50 ppm
80-62-6 methyl methacrylate	17 ppm
67-63-0 propan-2-ol	400 ppm
100-41-4 ethylbenzene	33 ppm
868-77-9 2-hydroxyethyl methacrylate	1.9 mg/m ³
	(Contd. on page 5)



Printing date 05/06/2019

Reviewed on 05/06/2019

Page 5/16

Trade name: T910 METALLIC BASE

108-67-8	mesitylene	(Contd. of page 140 ppm
	1,2,4-trimethylbenzene	140 ppm
	methacrylic acid	6.7 ppm
78-83-1	•	150 ppm
	dibutyltin dilaurate	1.1 mg/m
	Propylene glycol	30 mg/m ³
	octamethylcyclotetrasiloxane	30 ppm
PAC-2:		· · ·
	n-butyl acetate	200 ppm
1330-20-7	-	920* ppm
	2-methoxy-1-methylethyl acetate	1,000 ppm
	methyl methacrylate	120 ppm
	propan-2-ol	2000* ppm
	ethylbenzene	1100* ppm
868-77-9	2-hydroxyethyl methacrylate	21 mg/m ³
108-67-8	mesitylene	360 ppm
95-63-6	1,2,4-trimethylbenzene	360 ppm
79-41-4	methacrylic acid	61 ppm
78-83-1	butanol	1,300 ppm
77-58-7	dibutyltin dilaurate	8 mg/m ³
57-55-6	Propylene glycol	1,300 mg/m
556-67-2	octamethylcyclotetrasiloxane	68 ppm
PAC-3:		
123-86-4	n-butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
	methyl methacrylate	570 ppm
	propan-2-ol	12000** ppn
	ethylbenzene	1800* ppm
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m ³
108-67-8	mesitylene	480 ppm
95-63-6	1,2,4-trimethylbenzene	480 ppm
	methacrylic acid	220 ppm
78-83-1		8000* ppm
77-58-7	dibutyltin dilaurate	48 mg/m ³ (Contd. on page



acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

Page 6/16

Trade name: T910 METALLIC BASE

		(Contd. of page 5)
57-55-6	Propylene glycol	7,900 mg/m³
556-67-2	octamethylcyclotetrasiloxane	130 ppm

7 Handling and storage

· Handling:

- Precautions for safe handling
 Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.
 Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
 Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- · Storage class: 3
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

- · Control parameters
- · Components with limit values that require monitoring at the workplace:
- The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

	123-86	-4 n-butyl acetate	
	PEL	Long-term value: 710 mg/m³, 150 ppm	
	REL	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm	
	TLV	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm	
	1330-2	0-7 xylene	
	PEL	Long-term value: 435 mg/m³, 100 ppm	1
1		(Contd. on page 7	')

Printing date 05/06/2019

HYMA

Reviewed on 05/06/2019

Page 7/16

Trade name: T910 METALLIC BASE

HEL Short-term value: 435 mg/m³, 100 ppm TLV Short-term value: 434 mg/m³, 100 ppm BEI Long-term value: 434 mg/m³, 100 ppm BEI Long-term value: 50 ppm 80-62-6 Detty methacrylate PFL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm Dog-term value: 410 mg/m³, 100 ppm DSEN 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm DSEN 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Long-term value: 435 mg/m³, 100 ppm REL Long-term value: 435 mg/m³, 100 ppm REL Long-term value: 435 mg/m³, 100 ppm BEI Short-term value: 435 mg/m³, 20 ppm BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylbippuric acids Parameter: <t< th=""><th>05</th><th>(Contd. of page</th></t<>	05	(Contd. of page	
TLV Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI 108-65-6 2-methoxy-1-methylethyl acetate WEEL Long-term value: 50 ppm 80-62-6 methyl methacrylate PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm TLV Short-term value: 410 mg/m³, 100 ppm Dog-term value: 205 mg/m³, 50 ppm DSEN 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm Long-term value: 435 mg/m³, 100 ppm PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Long-term value: 435 mg/m³, 100 ppm REL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 87 mg/m³, 20 ppm BEI 1.5 g/g creatinine Medium: urine Time: end of shift Time: end of shift Parameter: BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecif	REL	Short-term value: 655 mg/m ³ , 150 ppm	
Long-term value: 434 mg/m³, 100 ppm BEI 108-65-6 2-methoxy-1-methylethyl acetate WEEL Long-term value: 50 ppm 80-62-5 methyl methacrylate PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm Long-term value: 205 mg/m³, 100 ppm DSEN 100-41-4 ethylbenzene PEL Long-term value: 545 mg/m³, 100 ppm REL Short-term value: 547 mg/m³, 20 ppm BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective end hyglenic measures:	T 1 \ 1		
BEI 108-65-6 2-methoxy-1-methylethyl acetate WEEL Long-term value: 50 ppm 80-62-6 methyl methacrylate PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm Long-term value: 205 mg/m³, 50 ppm DSEN 100-41-4 ethylbenzene DSEN PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 125 ppm Long-term value: 435 mg/m³, 120 ppm BEI Short-term value: 87 mg/m³, 20 ppm BEI 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylippuric acids 100-41-4 ethylbenzene BEI BEI 0.7 g/g creatinine Medium: urine Time: end of shift Parameter: Shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: end of shift parameter. (semi-quantitative) -	ILV		
108-65-6 2-methoxy-1-methylethyl acetate WEEL Long-term value: 50 ppm 80-62-6 methyl methacrylate PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm TLV Short-term value: 205 mg/m³, 100 ppm Dog-term value: 205 mg/m³, 50 ppm DSEN 100-41-4 ethylbenzene PEL Long-term value: 545 mg/m³, 100 ppm Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 545 mg/m³, 100 ppm BEI Long-term value: 87 mg/m³, 100 ppm BEI Short-term value: 87 mg/m³, 100 ppm BEI Short-term value: 87 mg/m³, 100 ppm BEI Short-term value: 87 mg/m³, 100 ppm BEI 1.5 g/g creatinine Medium: urine Time: end of shift Time: end of shift Parameter: BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and p			
WEEL Long-term value: 50 ppm 80-62-6 methyl methacrylate PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm TLV Short-term value: 205 mg/m³, 50 ppm D02EN D0-41-4 100-41-4 ethylbenzene PEL Long-term value: 545 mg/m³, 100 ppm REL Short-term value: 87 mg/m³, 100 ppm REL Short-term value: 87 mg/m³, 100 ppm BEI Long-term value: 87 mg/m³, 100 ppm BEI Ingredients with biological limit values: 1330-20-7 xylene BEI BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium:	108-6		
80-62-6 methyl methacrylate PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm TUV Short-term value: 410 mg/m³, 100 ppm Dog-term value: 205 mg/m³, 50 ppm DSEN 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm Long-term value: 435 mg/m³, 20 ppm BEI Short-term value: 87 mg/m³, 20 ppm BEI Ingredients with biological limit values: 1330-20-7 xylene BEI BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Paramet			
PEL Long-term value: 410 mg/m³, 100 ppm REL Long-term value: 410 mg/m³, 100 ppm TLV Short-term value: 205 mg/m³, 100 ppm DSEN D0-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm TLV Long-term value: 435 mg/m³, 20 ppm BEI Ingredients with biological limit values: 1330-20-7 xylene BEI BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - Additional information: The lists that were valid during the creation were used as basis.		2	
REL Long-term value: 410 mg/m³, 100 ppm TLV Short-term value: 410 mg/m³, 100 ppm Dog-term value: 205 mg/m³, 50 ppm DSEN 100-41-4 ethylbenzene PEL PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm REL Short-term value: 87 mg/m³, 100 ppm TLV Long-term value: 87 mg/m³, 20 ppm BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - - - - Medium: end-exhaled air - Time: not critical Parameter:			
TLV Short-term value: 410 mg/m³, 100 ppm Long-term value: 205 mg/m³, 50 ppm DSEN 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm Long-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 87 mg/m³, 20 ppm BEI Ingredients with biological limit values: 1330-20-7 xylene BEI I.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - Additional information: The lists that were valid during the creation were used as basis. • Personal protective equipment: General protective and hygienic measures:	REL		
Long-term value: 205 mg/m³, 50 ppm DSEN 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 87 mg/m³, 20 ppm BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls Personal protective equipment: General protective end hygienic measures:	TLV		
100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 87 mg/m³, 20 ppm BEI Ingredients with biological limit values: 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - - - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - - - - - - - - <td< td=""><td></td><td></td></td<>			
PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 87 mg/m³, 20 ppm BEI Ingredients with biological limit values: 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Medium: urine Time: end of shift at end of workweek Parameter: Parameter: Medium: urine Time: end of shift at end of workweek Parameter: Parameter: Medium: end-exhaled air Time: not critical Parameter: Additional information: The lists that were valid during the creation were used as basis. • Additional information: The lists that were valid during the creation were used as basis. • Personal protective equipment: • General protective and hygienic measures:			
REL Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 87 mg/m³, 20 ppm BEI ·Ingredients with biological limit values: 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) · Additional information: The lists that were valid during the creation were used as basis. · Exposure controls · Personal protective equipment: General protective and hygienic measures:	100-4	1-4 ethylbenzene	
Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 87 mg/m³, 20 ppm BEI	PEL	Long-term value: 435 mg/m³, 100 ppm	
TLV Long-term value: 87 mg/m³, 20 ppm BEI Ingredients with biological limit values: 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: General protective and hygienic measures:	REL		
BEI Ingredients with biological limit values: 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures:			
 Ingredients with biological limit values: 1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures: 	TLV		
1330-20-7 xylene BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures:		1-2.	
 BEI 1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) - Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures: 	-		
Medium: urine Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures:		•	
Time: end of shift Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures:			
Parameter: Methylhippuric acids 100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures:			
100-41-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures:			
 BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures: 			
 Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures: 		•	
 Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures: 			
Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative) Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures:	T	ime: end of shift at end of workweek	
Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures:	P	Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)	
Time: not critical Parameter: Ethyl benzene (semi-quantitative) • Additional information: The lists that were valid during the creation were used as basis. • Exposure controls • Personal protective equipment: • General protective and hygienic measures:	-	lodium: and axhalad air	
Parameter: Ethyl benzene (semi-quantitative) Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures:			
 Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures: 			
Personal protective equipment: General protective and hygienic measures:			
Personal protective equipment: General protective and hygienic measures:		sure controls	
General protective and hygienic measures:			
	· Gener	al protective and hygienic measures:	

US -

acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

Page 8/16

Trade name: T910 METALLIC BASE

(Contd. of page 7) Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the skin. Avoid contact with the eyes and skin. · Breathing equipment: 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. · Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation · Material of gloves 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. · Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. · Eve protection: Tightly sealed goggles 9 Physical and chemical properties · Information on basic physical and chemical properties · General Information · Appearance: Form: Liquid Color:

Color: · Odor: · Odor threshold: Liquid silver Characteristic Not determined.

(Contd. on page 9)

- US

Printing date 05/06/2019

Reviewed on 05/06/2019

Trade name: T910 METALLIC BASE

nH volue.	(Contd. of page
pH-value:	Not determined.
Change in condition Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	124 °C (255.2 °F)
Flash point:	25 °C (77 °F)
, Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	370 °C (698 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive ail
	vapor mixtures are possible.
Explosion limits:	
Lower:	1.1 Vol %
Upper:	7.5 Vol %
Vapor pressure at 20 °C (68 °F):	10.7 hPa (8 mm Hg)
Density at 20 °C (68 °F):	0.981 g/cm³ (8.18645 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wate	er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	43.1 %
Coating VOC content:	43.07 %
	422.5 g/l / 3.53 lb/gal
Material VOC content:	422.5 g/l / 3.53 lb/gal
Solids content:	56.4 %
Other information	No further relevant information available.

(Contd. on page 10)



acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

Trade name: T910 METALLIC BASE

(Contd. of page 9)

Page 10/16

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification:

1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rabbit)

Primary irritant effect:

- on the skin: Irritant to skin and mucous membranes.
- on the eye: No irritating effect.
- · Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:
- The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

· IARC (Inte	rnational Agency for Research on Cancer)	
1330-20-7	xylene	3
80-62-6	methyl methacrylate	3
67-63-0	propan-2-ol	3
100-41-4	ethylbenzene	2B
· NTP (Natio	nal Toxicology Program)	
None of the	e ingredients is listed.	
	(Contd. on	page 11)



acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

Page 11/16

(Contd. of page 10)

Trade name: T910 METALLIC BASE

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- · Additional ecological information:
- General notes: Water hazard class 3 (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

UN-Number		
DOT, ADR, IMDG, IATA	UN1263	
UN proper shipping name		
DOT	Paint	
ADR	1263 PAINT	
IMDG, IATA	PAINT	



HYMA

Page 12/16

Safety Data Sheet acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

	(Contd. of page
Transport hazard class(es)	
DOT	
п малят гора	
Class	3 Flammable liquids
Label	3
ADR, IMDG, IATA	
Class	3 Flammable liquids
Label	3
Packing group DOT, ADR, IMDG, IATA	<i>III</i>
Environmental hazards: Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
EMS Number:	F-E, <u>S-E</u>
Stowage Category	A
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	Il of Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
ADR	
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
IMDG	
Limited quantities (LQ)	5L

Printing date 05/06/2019

Reviewed on 05/06/2019

Page 13/16

Trade name: T910 METALLIC BASE

	(Contd. of page 12)
 Excepted quantities (EQ) 	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

15 Regulatory information

Sara	Ith and environmental regulations/legislation specific	
Section 35	5 (extremely hazardous substances):	
None of the	ingredients is listed.	
Section 31	3 (Specific toxic chemical listings):	
1330-20-7	xylene	
7429-90-5	aluminium powder (pyrophoric)	
80-62-6	methyl methacrylate	
67-63-0	propan-2-ol	
100-41-4	ethylbenzene	
95-63-6	1,2,4-trimethylbenzene	
TSCA (Tox	ic Substances Control Act):	
123-86-4	n-butyl acetate	ACT/\
1330-20-7	xylene	ACTI
108-65-6	2-methoxy-1-methylethyl acetate	ACTI
7429-90-5	aluminium powder (pyrophoric)	ACTI
80-62-6	methyl methacrylate	ACTI
67-63-0	propan-2-ol	ACTI
	ethylbenzene	ACTIN
	2-hydroxyethyl methacrylate	ACTIN
26761-45-5	2,3-epoxypropyl neodecanoate	ACTIN
	mesitylene	ACTIN
	1,2,4-trimethylbenzene	ACTIN
	methacrylic acid	ACTIN
	butanol	ACTIN
	dibutyltin dilaurate	ACTIN
	ZINC 2-ETHYLEXANOATE	ACTIN
57-55-6	Propylene glycol	ACTI



Printing date 05/06/2019

HYMA

Reviewed on 05/06/2019

Page 14/16

Trade name: T910 METALLIC BASE

	7 Solvent naphtha (petroleum), medium aliph.	ACTIV
	2 octamethylcyclotetrasiloxane	ACTIV
	is Air Pollutants	
1330-20-7		
	6 methyl methacrylate	
	ethylbenzene	
· Propositi		
	's known to cause cancer:	
100-41-4	ethylbenzene	
· Chemical	s known to cause reproductive toxicity for females:	
None of th	ne ingredients is listed.	
· Chemical	s known to cause reproductive toxicity for males:	
None of th	ne ingredients is listed.	
· Chemical	s known to cause developmental toxicity:	
None of th	ne ingredients is listed.	
Carcinog	enic categories	
-	ironmental Protection Agency)	
1330-20-7		
	methyl methacrylate	
	t ethylbenzene	D
	3 mesitylene	U
	1,2,4-trimethylbenzene	
	eshold Limit Value established by ACGIH)	
1330-20-7	· ,	
	aluminium powder (pyrophoric)	
	methyl methacrylate	
	propan-2-ol	
	t ethylbenzene	
	dibutyltin dilaurate	
		F
• NIOSH-C	a (National Institute for Occupational Safety and Health)	
	ne ingredients is listed.	

(Contd. on page 15)

⁻ US



Page 15/16

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2019

· Hazard pictograms

Reviewed on 05/06/2019

Trade name: T910 METALLIC BASE

(Contd. of page 14)

GHS02 GHS07 GHS08 Signal word Warning · Hazard-determining components of labeling: n-butyl acetate methyl methacrylate 2-hydroxyethyl methacrylate 2,3-epoxypropyl neodecanoate · Hazard statements Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. May cause drowsiness or dizziness. Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. (Contd. on page 16)



Page 16/16

Safety Data Sheet

acc. to OSHA HCS

Printing date 05/06/2019

Reviewed on 05/06/2019

Trade name: T910 METALLIC BASE

(Contd. of page 15)

Dispose of contents/container in accordance with local/regional/national/international regulations. • Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

- · Department issuing SDS: Product safety department
- · Contact: N/A
- · Date of preparation / last revision 05/06/2019 / -
- · 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 DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists 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) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit Flam. Liq. 3: Flammable liquids - Category 3 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Skin Sens. 1: Skin sensitisation - Category 1 Carc. 2: Carcinogenicity - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3