

# REFINISHING PRODUCTS

www.maverickrefinish.com

Safety Data Sheet acc. to OSHA HCS

Reviewed on 03/07/2024

# 1 Identification

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· Product identifier

· Trade name: MAV PP-622

· Details of the supplier of the safety data sheet

· Distributor/Supplier: Maverick Refinish, Inc. 4390 Old Maumee Rd. Fort Wayne, IN 46803

· Information department: Product safety department

Emergency telephone number: During normal opening times: +1 800.482.3903

# 2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1A H350 May cause cancer.

Repr. 1A H360 May damage fertility or the unborn child.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms







GHS02 GHS07 GHS08

· Signal word Danger

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### · Hazard-determining components of labeling:

Solvent naphtha (petroleum), light arom.

**BBP** 

titanium dioxide

Naphtha (petroleum), hydrotreated heavy

### · Hazard statements

Flammable liquid and vapor.

Causes skin irritation.

May cause genetic defects.

May cause cancer.

May damage fertility or the unborn child.

### · Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

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.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wash thoroughly after handling.

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 exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

In case of fire: Use for extinction: CO2, powder or water spray.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

- Classification system:
- · NFPA ratings (scale 0 4)



Health = 1 Fire = 3 Reactivity = 0

### · HMIS-ratings (scale 0 - 4)



Health = \*1 Fire = 3

Reactivity = 0

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

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# 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · **Description**: Mixture of the substances listed below with nonhazardous additions.

· Dangerous	components:	
1330-20-7	xylene	>10-≤25%
64742-95-6	Solvent naphtha (petroleum), light arom.	>2.5-≤10%
123-86-4	n-butyl acetate	>2.5-≤10%
7727-43-7	barium sulphate, natural	>2.5-≤10%
13463-67-7	titanium dioxide	>2.5-≤10%
79-20-9	methyl acetate	≤2.5%
85-68-7	BBP	≥0.1-≤2.5%
100-41-4	ethylbenzene	≥0.1-≤2.5%
64742-48-9	Naphtha (petroleum), hydrotreated heavy	≥0.1-≤2.5%
14808-60-7	Quartz (SiO2)	≥0.1-≤2.5%
1333-86-4	Carbon black	≥0.1-≤2.5%

### 4 First-aid measures

- · Description of first aid measures
- · General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· 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 in side position for transportation.

- · After skin contact: Immediately rinse with water.
- · 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: Mouth respiratory protective device.

- US

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# 6 Accidental release measures

# · Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

### Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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.

Do not flush with water or aqueous cleansing agents

# 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

1330-20-	7 xylene	130 ppm
123-86-	4 n-butyl acetate	5 ppm
7727-43-	7 barium sulphate, natural	15 mg/m³
13463-67-	7 titanium dioxide	30 mg/m³
79-20-	9 methyl acetate	250 ppm
85-68-	7 BBP	15 mg/m³
108-65-	6 2-methoxy-1-methylethyl acetate	50 ppm
546-93-	0 Magnesite	45 mg/m³
1344-28-	1 aluminium oxide	15 mg/m³
100-41-	4 ethylbenzene	33 ppm
108-38-	3 m-xylene	130 ppm
64742-48-	9 Naphtha (petroleum), hydrotreated heavy	350 mg/m³
14808-60-	7 Quartz (SiO2)	0.075 mg/m
1333-86-	4 Carbon black	9 mg/m³
1314-23-	4 zirconium dioxide	14 mg/m³
PAC-2:		
1330-20-	7 xylene	920* ppm
123-86-	4 n-butyl acetate	200 ppm
7727-43-	7 barium sulphate, natural	170 mg/m³
13463-67-	7 titanium dioxide	330 mg/m³
79-20-	9 methyl acetate	1,700 ppm
85-68-	7 BBP	77 mg/m³
108-65-	6 2-methoxy-1-methylethyl acetate	1,000 ppm
546-93-	0 Magnesite	260 mg/m³
1344-28-	1 aluminium oxide	170 mg/m³
100-41-	4 ethylbenzene	1100* ppm
108-38-	3 m-xylene	920 ppm
64742-48-	9 Naphtha (petroleum), hydrotreated heavy	1,800 mg/m

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		(Contd. of page
14808-60-7	Quartz (SiO2)	33 mg/m³
1333-86-4	Carbon black	99 mg/m³
1314-23-4	zirconium dioxide	110 mg/m³
· PAC-3:		<u> </u>
1330-20-7	xylene	2500* ppm
123-86-4	n-butyl acetate	3000* ppm
7727-43-7	barium sulphate, natural	990 mg/m³
13463-67-7	titanium dioxide	2,000 mg/m³
79-20-9	methyl acetate	10000* ppm
85-68-7	BBP	460 mg/m³
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
546-93-0	Magnesite	1,600 mg/m³
1344-28-1	aluminium oxide	990 mg/m³
100-41-4	ethylbenzene	1800* ppm
108-38-3	m-xylene	2500* ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m
14808-60-7	Quartz (SiO2)	200 mg/m³
1333-86-4	Carbon black	590 mg/m³
1314-23-4	zirconium dioxide	680 mg/m³

# 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.
- · 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.

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		(Contd. of pag
1330-	20-7 xylene	
PEL	Long-term value: 435 mg/m³, 100 ppm	
	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm	
	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI	
123-8	6-4 n-butyl acetate	
PEL	Long-term value: 710 mg/m³, 150 ppm	
	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm	
	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm	
7727-	43-7 barium sulphate, natural	
	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction	
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction	
	Long-term value: 5* mg/m³ *inhalable fraction; E	
79-20	-9 methyl acetate	
PEL	Long-term value: 610 mg/m³, 200 ppm	
	Short-term value: 760 mg/m³, 250 ppm Long-term value: 610 mg/m³, 200 ppm	
	Short-term value: 757 mg/m³, 250 ppm Long-term value: 606 mg/m³, 200 ppm	
100-4	11-4 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	
	Long-term value: 87 mg/m³, 20 ppm BEI	
14808	8-60-7 Quartz (SiO2)	
	Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2	
	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A	
	Long-term value: 0.025* mg/m³ *as respirable fraction	
1333-	86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m³	
	Long-term value: 3.5* mg/m³ *0.1 in presence of PAHs;See Pocket Guide Apps.A+C	
	Long-term value: 3* mg/m³ *inhalable fraction	
		(Contd. on pag

Trade name: MAV PP-622

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### · 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:

Keep away from foodstuffs, beverages and feed.

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 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.

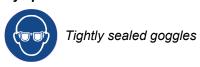
### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



(Contd. of page 7)

Information on basic physical and General Information	chemical properties
· Appearance:	
Form:	Liquid
Color:	Grey
· Odor:	Solvent-like
· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	124-128 °C (255.2-262.4 °F)
· Flash point:	23 - 60 °C (73.4-140 °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 a vapor mixtures are possible.
Explosion limits:	
Lower:	1.1 Vol %
Upper:	7 Vol %
· Vapor pressure at 20 °C (68 °F):	6.7-8.2 hPa (5-6.2 mm Hg)
Density at 20 °C (68 °F):	1.43 g/cm³ (11.93 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Miscible
Partition coefficient (n-octanol/wate	er): Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	28.8 %
VOC content:	28.79 %
	411.7 g/l / 3.44 lb/gal
Solids content:	63.5 % (by weight)

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· Other infomation:

No further relevant information available.

# 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:

	ricute territy.				
· LD	· LD/LC50 values that are relevant for classification:				
133	30-20-7	xylene			
Ora	a/	LD50	4,300 mg/kg (rat)		
Der	rmal	LD50	2,000 mg/kg (rabbit)		
647	64742-95-6 Solvent naphtha (petroleum), light arom.				
Ora	a/	LD50	>6,800 mg/kg (rat)		
Der	rmal	LD50	>3,400 mg/kg (rab)		
Inh	alative	LC50/4 h	>10.2 mg/l (rat)		
85-	85-68-7 BBP				
Ora	a/	LD50	2,330 mg/kg (rat)		
647	742-48-9	9 Naphtha	(petroleum), hydrotreated heavy		
Ora	a/	LD50	>5,000 mg/kg (rat)		
Dei	rmal	LD50	>3,000 mg/kg (rab)		

- · Primary irritant effect:
- on the skin: No irritant effect.
- · on the eye: No irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

. Harmful

Carcinogenic.

The product can cause inheritable damage.

· Carcinogenic categories

· IARC (Inter	national Agency for Research on Cancer)	
1330-20-7	xylene	3
13463-67-7	titanium dioxide	2B
14807-96-6	Talc (Mg3H2(SiO3)4)	3
85-68-7	BBP	3
100-41-4	ethylbenzene	2B

(Contd. on page 10)

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		(Contd. of page 9
95-47-6	o-xylene	3
106-42-3	p-xylene	3
108-38-3	m-xylene	3
14808-60-7	Quartz (SiO2)	1
1333-86-4	Carbon black	2B
· NTP (Nation	nal Toxicology Program)	
14808-60-7	Quartz (SiO2)	K
· 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.
- Ecotoxical effects:
- · Remark: Harmful to fish
- · 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.

Harmful to aquatic organisms

- 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, IMDG, IATA	UN1263	
UN proper shipping name		
DOT	Paint	
· IMDG, IATA	PAINT	

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· Transport hazard class(es)

· DOT



· Class 3 Flammable liquids

· Label

· IMDG, IATA



· Class 3 Flammable liquids

· Label 3

· Packing group · DOT, IMDG, IATA

• Environmental hazards: Not applicable.

· Special precautions for user Warning: Flammable liquids

Danger code (Kemler):
EMS Number:
Stowage Category

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· DOT

• Quantity limitations On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

· IMDG

· Limited quantities (LQ) 5L

· 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

 $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

1330-20-7 xylene

7727-43-7 barium sulphate, natural

1344-28-1 aluminium oxide

(Contd. on page 12)

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		(Contd. of page
	ethylbenzene	
95-47-6	-	
106-42-3	•	
108-38-3	m-xylene	
TSCA (Tox	ic Substances Control Act):	
All ingredie	nts are listed.	
Propositio	า 65	
Chemicals	known to cause cancer:	
13463-67-7	titanium dioxide	
100-41-4	ethylbenzene	
	Quartz (SiO2)	
1333-86-4	Carbon black	
Chemicals	known to cause reproductive toxicity for fen	nales:
None of the	ingredients is listed.	
	known to cause reproductive toxicity for ma	les:
None of the	ingredients is listed.	
Chemicals	known to cause developmental toxicity:	
85-68-7 BE	P	
Carcinoge	nic categories	
_	onmental Protection Agency)	
1330-20-7	<u> </u>	
7727-43-7	barium sulphate, natural	D, CBD(inh), NL(ora
85-68-7	BBP	С
100-41-4	ethylbenzene	D
95-47-6	o-xylene	1
106-42-3	p-xylene	1
108-38-3	m-xylene	1
TLV (Thres	hold Limit Value established by ACGIH)	
1330-20-7	xylene	A
13463-67-7	titanium dioxide	F
14807-96-6	Talc (Mg3H2(SiO3)4)	A
1344-28-1	aluminium oxide	A
100-41-4	ethylbenzene	A
95-47-6	o-xylene	A
	p-xylene	A
	m-xylene	A
14808-60-7	Quartz (SiO2)	A
	Carbon black	A
1314-23-4	zirconium dioxide	F
NIOSH-Ca	(National Institute for Occupational Safety ar	nd Health)
13463-67-7	titanium dioxide	
	0 ( (0:00)	
14808-60-7	Quartz (SiO2)	

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· GHS label elements

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The product is classified and labeled according to the Globally Harmonized System (GHS).

### · Hazard pictograms







GHS02 GHS07

### · Signal word Danger

### · Hazard-determining components of labeling:

Solvent naphtha (petroleum), light arom.

BBP

titanium dioxide

Naphtha (petroleum), hydrotreated heavy

### · Hazard statements

Flammable liquid and vapor.

Causes skin irritation.

May cause genetic defects.

May cause cancer.

May damage fertility or the unborn child.

### · Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

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.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wash thoroughly after handling.

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 exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

In case of fire: Use for extinction: CO2, powder or water spray.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

### · National regulations:

### · Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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

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# 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: Environment protection department.
- · Contact: Mr. Williams
- · Date of preparation / last revision 03/07/2024 / -
- Abbreviations and acronyms:

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

Muta. 1B: Germ cell mutagenicity - Category 1B

Carc. 1A: Carcinogenicity - Category 1A

Repr. 1A: Reproductive toxicity - Category 1A