Fleetwood Products Inc.

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Safety Data Sheet

acc. to OSHA HCS

Printing date 02/28/2023 Reviewed on 02/28/2023

1 Identification

- · Product identifier
- · Trade name: Mipa 1K-Fast-Filler
- · Application of the substance / the mixture Filler
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

MIPA SE

Am Oberen Moos 1 D-84051 Essenbach Tel.: +49(0)8703-922-0

Fax.: +49(0)8703-922-100 e-mail: sdb-registratur@mipa-paints.com

www.mipa-paints.com

Emergency telephone number:

International: 011 49(0)700 24112112 (MIP)

US: +1 872 5888271 (MIP)

US Emergency Telephone Number (for transportation incidents only): 1-800-535-5053 (Infotrac)

2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Specific Target Organ Toxicity - Repeated H373 May cause damage to organs through Exposure 2 prolonged or repeated exposure.



GHS07

Skin Irritation 2 H315 Causes skin irritation.

Eye Irritation 2A H319 Causes serious eye irritation.

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 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).

Hazard pictograms







GHS02 GHS07 GHS08

- · Signal word Danger
- · Hazard-determining components of labeling:

propan-2-ol

Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)

(Contd. on page 2)



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Trade name: Mipa 1K-Fast-Filler

(Contd. of page 1)

Ethylbenzene

n-Butyl acetate

Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction. H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin

with water/shower.

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.

· Classification system:

NFPA ratings (scale 0 - 4)



Health = 2 Fire = 3 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2 Fire = 3 Reactivity = 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 o	· Dangerous components:		
67-63-0	propan-2-ol	10-25%	
1330-20-7	Xylene	≥10-<15%	
123-86-4	n-Butyl acetate	5-<10%	
64-17-5	ethanol	2.5-<10%	
141-78-6	Ethyl acetate	2.5-<10%	
108-65-6	2-Methoxy-1-methylethyl acetate	2.5-<10%	
25068-38-6	Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)	2.5-<10%	
9004-70-0	Nitrocellulose, nitrogen content <12,6%	2.5-<10%	
100-41-4	Ethylbenzene	2.5-<10%	
	(Co	ntd. on page 3)	



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(Contd. of page 2)

162627-17-0 Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine

≥0.1-<1%

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 rinse with water.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · 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

During heating or in case of fire poisonous gases are produced.

- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

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:	cuon enteria for enemicais	
67-63-0	propan-2-ol	400 ppm
1330-20-7	Xylene	130 ppm
123-86-4	n-Butyl acetate	5 ppm
64-17-5	ethanol	1,800 ppm
		(Contd. on page



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Trade name: Mipa 1K-Fast-Filler

1/11 /0 4	Ethyl acetate	(Contd. of page
	Ethyl acetate	1,200 ppm 50 ppm
	Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular 90 weight 700-1100)	
	Ethylbenzene	33 ppm
	Barium sulphate, natural	15 mg/m³
1309-37-1	Diiron trioxide	15 mg/m³
7664-38-2	phosphoric acid	3 mg/m³
112-07-2	2-Butoxyethyl acetate	15 ppm
112945-52-5	Silicon dioxide	18 mg/m³
1333-86-4	Carbon black	9 mg/m³
107-98-2	1-methoxy-2-propanol	100 ppm
34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
78-93-3	Methyl ethyl ketone	200 ppm
14808-60-7	Quartz (SiO2)	0.075 mg/m
· PAC-2:		
67-63-0	propan-2-ol	2000* ppi
1330-20-7		920* ppm
123-86-4	n-Butyl acetate	200 ppm
64-17-5	ethanol	3300* ppi
141-78-6	Ethyl acetate	1,700 ppr
	2-Methoxy-1-methylethyl acetate	
	-38-6 Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)	
100-41-4	Ethylbenzene	1100* ppi
7727-43-7	Barium sulphate, natural	170 mg/m
1309-37-1	Diiron trioxide	360 mg/m
7664-38-2	phosphoric acid	30 mg/m ³
112-07-2	2-Butoxyethyl acetate	35 ppm
112945-52-5	Silicon dioxide	100 mg/n
1333-86-4	Carbon black	99 mg/m³
107-98-2	1-methoxy-2-propanol	160 ppm
34590-94-8	Dipropylene glycol monomethyl ether	1700* ppi
70.00.0	93-3 Methyl ethyl ketone	
78-93-3	Methyl ethyl ketone	2700* ppr
	Methyl ethyl ketone Quartz (SiO2)	
14808-60-7 • PAC-3 :		33 mg/m ³
14808-60-7 • PAC-3 :	Quartz (SiO2) propan-2-ol	33 mg/m ³
14808-60-7 • PAC-3: 67-63-0 1330-20-7	Quartz (SiO2) propan-2-ol	33 mg/m ³
14808-60-7 • PAC-3: 67-63-0 1330-20-7	Quartz (SiO2) propan-2-ol Xylene n-Butyl acetate	33 mg/m³ 12000** ppr 2500* ppm 3000* ppm
14808-60-7 • PAC-3: 67-63-0 1330-20-7 123-86-4 64-17-5	Quartz (SiO2) propan-2-ol Xylene n-Butyl acetate	33 mg/m³ 12000** ppr 2500* ppm 3000* ppm 15000* ppm
14808-60-7 • PAC-3: 67-63-0 1330-20-7 123-86-4 64-17-5 141-78-6	Quartz (SiO2) propan-2-ol Xylene n-Butyl acetate ethanol	33 mg/m³ 12000** ppr 2500* ppm 3000* ppm 15000* ppm
14808-60-7 PAC-3: 67-63-0 1330-20-7 123-86-4 64-17-5 141-78-6 108-65-6	Quartz (SiO2) propan-2-ol Xylene n-Butyl acetate ethanol Ethyl acetate	33 mg/m³ 12000** ppr 2500* ppm 3000* ppm 15000* ppm 10000** ppr 5000* ppm
14808-60-7 PAC-3: 67-63-0 1330-20-7 123-86-4 64-17-5 141-78-6 108-65-6 25068-38-6	Quartz (SiO2) propan-2-ol Xylene n-Butyl acetate ethanol Ethyl acetate 2-Methoxy-1-methylethyl acetate Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular	3000* ppm 15000* ppm 10000** ppr



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Trade name: Mipa 1K-Fast-Filler

		(Contd. of page 4)
	Diiron trioxide	2,200 mg/m³
	phosphoric acid	150 mg/m³
	2-Butoxyethyl acetate	210 ppm
	Silicon dioxide	630 mg/m³
1333-86-4	Carbon black	590 mg/m³
	1-methoxy-2-propanol	660 ppm
34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
	Methyl ethyl ketone	4000* ppm
14808-60-7	Quartz (SiO2)	200 mg/m³

7 Handling and storage

- Handling:
- · Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

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: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

- · 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.

67 - 63	-0 propan-2-ol
PEL	Long-term value: 980 mg/m³, 400 ppm
REL	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4
1330-	20-7 Xylene
PEL	Long-term value: 435 mg/m³, 100 ppm

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Trade name: Mipa 1K-Fast-Filler

	(Contd. of pa
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm
	BEI, A4
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: 150 ppm Long-term value: 50 ppm
64-1	7-5 ethanol
PEL	Long-term value: 1900 mg/m³, 1000 ppm
REL	Long-term value: 1900 mg/m³, 1000 ppm
TLV	Short-term value: 1000 ppm A3
141-	78-6 Ethyl acetate
PEL	Long-term value: 1400 mg/m³, 400 ppm
REL	Long-term value: 1400 mg/m³, 400 ppm
TLV	Long-term value: 400 ppm
108-0	65-6 2-Methoxy-1-methylethyl acetate
	Long-term value: 50 ppm
100-4	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: 20 ppm OTO, BEI, A3
· Ingre	edients with biological limit values:
67-63	3-0 propan-2-ol
	40 mg/L
	Medium: urine
	Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
	-20-7 Xylene
	1.5 g/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: Methylhippuric acids
	41-4 Ethylbenzene
	0.15 g/g creatinine
	Medium: urine Time: end of shift at end of workweek
	Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

- 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.

(Contd. on page 7)



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(Contd. of page 6)

Store protective clothing separately. Avoid contact with the eyes. 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:

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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.

Breakthrough time of glove material

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

Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· General Information · Appearance: Form: Fluid

· Information on basic physical and chemical properties

Color: According to product specification

Characteristic Odor: · Odor threshold: Not determined. · pH-value: Not determined.

· Change in condition

Melting point/Melting range: Undetermined. Boiling point/Boiling range: 78 °C (172.4 °F)

· Flash point: 12 °C (53.6 °F) (DIN EN ISO 1523:2002)

· Flammability (solid, gaseous): Highly flammable.

· Ignition temperature: 370 °C (698 °F) (DIN 51794)

· Decomposition temperature: Not determined.

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Trade name: Mipa 1K-Fast-Filler

	(Contd. of page
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	12 Vol %
· Vapor pressure at 20 °C (68 °F):	97 hPa (72.8 mm Hg)
· Density at 20 °C (68 °F):	1.138 g/cm³ (9.497 lbs/gal) (DIN EN ISO 2811-1)
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/wat	t er): Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C (68 °F):	>60 s (DIN 53211/4)
· Solvent content:	
Water:	0.2 %
VOC content:	52.25 %
	596 g/l / 5.0 lb/gal
Solids content (weight-%):	47.6 %
· Other information	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: Carbon monoxide

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: 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

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· Carcinogenic categories

14807-96-6	Talc	3
67-63-0	propan-2-ol	3
1330-20-7	Xylene	3
	ethanol	1
	Ethylbenzene	2B
1309-37-1	Diiron trioxide	3
1333-86-4	Carbon black	2E

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.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (Self-assessment): hazardous for water

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

Danger to drinking water if even 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.

14 Transport information

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

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(Contd. of page 9) · IMDG, IATA PAINT · Transport hazard class(es) · DOT · Class 3 Flammable liquids · Label · ADR · Class 3 (F1) Flammable liquids · Label · IMDG, IATA · Class 3 Flammable liquids ·Label · Packing group · DOT, ADR, IMDG, IATA II· Environmental hazards: · Marine pollutant: No Warning: Flammable liquids · Special precautions for user · Hazard identification number (Kemler code): 33 · EMS Number: F-E,S-E · Stowage Category В · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: · ADR · Limited quantities (LQ) 5L · Limited quantities (LQ) 5L · UN "Model Regulation": UN 1263 PAINT, 3, II

USA



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15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

67-63-0 propan-2-ol

1330-20-7 Xylene

100-41-4 Ethylbenzene

7727-43-7 Barium sulphate, natural

7664-38-2 phosphoric acid

112-07-2 2-Butoxyethyl acetate

· Hazardous Air Pollutants

1330-20-7 Xylene

100-41-4 Ethylbenzene

Proposition 65

· Chemicals known to cause cancer:

	Ethylbenzene
1333-86-4	Carbon black
14808-60-7	Quartz (SiO2)

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

64-17-5 ethanol

· Cancerogenity categories

· EPA (Enviro	onmental Protection Agency)			
1330-20-7 Xylene I				
100-41-4 I	Ethylbenzene		D	
7727-43-7 I	Barium sulphate, natural		D, CBD(ir	nh), NL(oral)
78-93-3 I	78-93-3 Methyl ethyl ketone			
TLV (Thres	hold Limit Value)			
14807-96-6	Talc		A4	10-25%
67-63-0	propan-2-ol		A4	10-25%
1330-20-7	Xylene		A4	≥10-<15%
64-17-5 ethanol		A3	2.5-<10%	
100-41-4	Ethylbenzene		A3	2.5-<10%
1309-37-1	Diiron trioxide		A4	<2.5%
112-07-2	2-Butoxyethyl acetate		A3	<1%
1333-86-4	Carbon black		A4	<1%
14808-60-7	Quartz (SiO2)		A2	<0.1%
			(Co	ntd. on page 12)



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· NIOSH-Ca (National Institute for Occupational Safety and Health)

1333-86-4 Carbon black 14808-60-7 Quartz (SiO2)

· GHS label elements

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:

propan-2-ol

Bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)

Ethylbenzene

n-Butyl acetate

Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin

with water/shower.

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.

· National regulations:

· Additional classification according to Decree on Hazardous Materials:

Class	Share in %
NK	50-100

· 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.

· Contact:

· Date of preparation / last revision 02/28/2023

Abbreviations and acronyms:

ADR: Accord relatif au transport international 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

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)

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(Contd. of page 12)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU) 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

Flammable Liquids 2: Flammable liquids - Category 2 Skin Irritation 2: Skin corrosion/irritation - Category 2

Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A

Sensitization - Skin 1: Skin sensitisation - Category 1
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Category 3
Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) - Category 2

* Data compared to the previous version altered.

USA