

Printing date 07/18/2018 Version number 13 Reviewed on 07/18/2018

#### 1 Identification

· Product identifier

· Trade name: SMT3904 Smart White

· Article number: SMT3904

- · Application of the substance / the mixture Coating
- · Details of the supplier of the safety data sheet
- Manufacturer/Supplier:

Distributed By: FinishMaster, Inc.

115 W. Washington St., Suite 700S

Indianapolis, IN 46204

317-237-3678.

· Information department: 317 237 3678

· Emergency telephone number: INFOTRAC 1-800-535-5053

### 2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.



### GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1B H350 May cause cancer.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or

repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



### GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

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- · Label elements
- · GHS label elements

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

· Hazard pictograms









GHS02 GHS04 GHS07 GHS0

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

Solvent naphtha (petroleum), light aliph.

acetone

toluene

Liaroine

2-butanone oxime

· Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H340 May cause genetic defects.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.

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

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P302+P352 If on skin: Wash with plenty of water.

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.

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P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a poison center/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.

P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

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



Health = 2 Fire = 4 Reactivity = 3

· HMIS-ratings (scale 0 - 4)



Health = \*2 Fire = 4 Reactivity = 3

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

### 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:

Mixture: consisting of the following components.

Weight percentages

Dangerous components:

Dangerous components.	
68476-86-8 Petroleum gases, liquefied, sweetened	<i>30-40%</i>
67-64-1 acetone	13-30%
78-93-3 butanone	≥7-<10%
1330-20-7 xylene	≥7-<10%
64742-89-8 Solvent naphtha (petroleum), light aliph.	<i>5-7%</i>
8032-32-4 Ligroine	<i>5-7</i> %
64742-88-7 Solvent naphtha (petroleum), medium aliph.	1.5-5%
108-65-6 2-methoxy-1-methylethyl acetate	1.5-5%
108-88-3 toluene	<b>1.5-5%</b> (Contd. on page 4)



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≥0.1-≤1%

≥0.1-≤1%

100-41-4 ethylbenzene 8052-41-3 Stoddard solvent

#### 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.
- · After eve 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.

- · 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:

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.

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#### · Protective Action Criteria for Chemicals

· PAC-1:

67-64-1 acetone: 200 ppm 78-93-3 butanone: 200 ppm 1330-20-7 xylene: 130 ppm

108-65-6 2-methoxy-1-methylethyl acetate: 50 ppm

108-88-3 toluene: 67 ppm

100-41-4 ethylbenzene: 33 ppm

8052-41-3 Stoddard solvent: 300 mg/m<sup>3</sup> 96-29-7 2-butanone oxime: 30 ppm 95-63-6 1,2,4-trimethylbenzene: 140 ppm 149-57-5 2-ethylhexanoic acid: 15 mg/m<sup>3</sup>

· PAC-2:

67-64-1 acetone: 3200\* ppm 78-93-3 butanone: 2700\* ppm 1330-20-7 xylene: 920\* ppm

108-65-6 2-methoxy-1-methylethyl acetate: 1,000 ppm

108-88-3 toluene: 560 ppm

100-41-4 ethylbenzene: 1100\* ppm

8052-41-3 Stoddard solvent: 1,800 mg/m³ 96-29-7 2-butanone oxime: 56 ppm 95-63-6 1,2,4-trimethylbenzene: 360 ppm

149-57-5 2-ethylhexanoic acid: 99 mg/m³

PAC-3:

67-64-1 acetone: 5700\* ppm 78-93-3 butanone: 4000\* ppm 1330-20-7 xylene: 2500\* ppm

108-65-6 2-methoxy-1-methylethyl acetate: 5000\* ppm

108-88-3 toluene: 3700\* ppm 100-41-4 ethylbenzene: 1800\* ppm

8052-41-3 Stoddard solvent: 29500\*\* mg/m³ 96-29-7 2-butanone oxime: 250 ppm

95-63-6 1,2,4-trimethylbenzene: 480 ppm 149-57-5 2-ethylhexanoic acid: 590 mg/m<sup>3</sup>

## 7 Handling and storage

· Handling:

Precautions for safe handling

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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· Information about protection against explosions and fires:

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

- 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.

67-64-1 acetone

PEL Long-term value: 2400 mg/m³, 1000 ppm REL Long-term value: 590 mg/m³, 250 ppm TLV Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI

78-93-3 butanone

PEL Long-term value: 590 mg/m³, 200 ppm REL Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm TLV Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm

BEI

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppm
REL Short-term value: 655 mg/m³, 150 ppm
Long-term value: 435 mg/m³, 100 ppm
TLV Short-term value: 651 mg/m³, 150 ppm
Long-term value: 434 mg/m³, 100 ppm
BEI

8032-32-4 Ligroine

REL Long-term value: 350 mg/m<sup>3</sup> Ceiling limit value: 1800\* mg/m<sup>3</sup> \*15-min

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TLV TLV Withdrawn - refer to Appendix H 108-65-6 2-methoxy-1-methylethyl acetate

WEEL Long-term value: 50 ppm

108-88-3 toluene

PEL Long-term value: 200 ppm Ceiling limit value: 300; 500\* ppm \*10-min peak per 8-hr shift

REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm TLV Long-term value: 75 mg/m³, 20 ppm

BEI

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

8052-41-3 Stoddard solvent

PEL Long-term value: 2900 mg/m³, 500 ppm

REL Long-term value: 350 mg/m³
Ceiling limit value: 1800\* mg/m³
\*15-min

TLV Long-term value: 525 mg/m³, 100 ppm Ingredients with biological limit values:

67-64-1 acetone

BEI 50 mg/L

Medium: urine Time: end of shift

Parameter: Acetone (nonspecific)

78-93-3 butanone

BEI 2 mg/L

Medium: urine Time: end of shift Parameter: MEK 1330-20-7 xylene

BEI 1.5 g/g creatinine Medium: urine Time: end of shift

Parameter: Methylhippuric acids

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108-88-3 toluene BEI 0.02 mg/L

Medium: blood

Time: prior to last shift of workweek

Parameter: Toluene

0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene

0.3 mg/g creatinine Medium: urine Time: end of shift

Parameter: o-Cresol with hydrolysis (background)

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

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:

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





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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.

Penetration 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: Safety glasses



Tightly sealed goggles

## 9 Physical and chemical properties

· Information on basic physical and chemical properties

General Information

· Appearance:

Form: Aerosol

Color: According to product specification

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

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range:  $36 \, ^{\circ}\text{C}$ · Flash point:  $-103 \, ^{\circ}\text{C}$ 

Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 250 ℃

Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

Danger of explosion: In use, may form flammable/explosive vapour-air mixture.

Explosion limits:

Lower: 1.9 Vol % Upper: 13 Vol % Vapor pressure at 20 °C: 233 hPa

Density at 20 °C: 0.71225 g/cm³
 Relative density Not determined.
 Vapor density Not determined.

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# Safety Data Sheet acc. to OSHA HCS

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Not applicable.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. Kinematic: Not determined.

· Solvent content:

Evaporation rate

Organic solvents: 83.2 % VOC content: 66.84 %

558.7 g/l / 4.66 lb/gal

Solids content: 25.4 %

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: 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: 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

The product can cause inheritable damage.

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· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

1330-20-7 xylene: 3 108-88-3 toluene: 3

100-41-4 ethylbenzene: 2B

· NTP (National Toxicology Program)

None of the ingredients is listed.

· 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.

### 14 Transport information

· UN-Number

· IMDG

· DOT, ADR, IMDG, IATA

· UN proper shipping name

· DOT · ADR

Aerosols, flammable 1950 Aerosols AEROSOLS

UN1950

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AEROSOLS, flammable

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·IATA · Transport hazard class(es)

· DOT



2.1 · Class · Label 2.1

· ADR



· Class 2 5F Gases

· Label 2.1

· IMDG, IATA



· Class 2.1 · Label 2.1

· Packing group

· DOT, ADR, IMDG, IATA Void

· Environmental hazards:

Marine pollutant:

No Special precautions for user Warning: Gases

· EMS Number: F-D.S-U

· Stowage Code SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS:

Category C, Clear of living quarters.

· Segregation Code SG69 For AEROSOLS with a maximum capacity of 1

litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate

subdivision of class 2.

 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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· Transport/Additional information:

· DOT

· Quantity limitations On passenger aircraft/rail: 75 kg

On cargo aircraft only: 150 kg

· ADR

· Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

·IMDG

· Limited quantities (LQ) 1L

· Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

UN "Model Regulation": UN 1950 AEROSOLS, 2.1

### 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):

78-93-3 butanone

1330-20-7 xylene

108-88-3 toluene

100-41-4 ethylbenzene

COBALT CARBOXYLATE

95-63-6 1,2,4-trimethylbenzene

· TSCA (Toxic Substances Control Act):

67-64-1 acetone

78-93-3 butanone

1330-20-7 xylene

64742-89-8 Solvent naphtha (petroleum), light aliph.

8032-32-4 Ligroine

64742-88-7 Solvent naphtha (petroleum), medium aliph.

69430-35-9 Alicyclic hydrocarbon resin

108-65-6 2-methoxy-1-methylethyl acetate

108-88-3 toluene

100-41-4 ethylbenzene

8052-41-3 Stoddard solvent

22464-99-9 Zirconium Drier Base metal

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

96-29-7 2-butanone oxime

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95-63-6 1,2,4-trimethylbenzene

149-57-5 2-ethylhexanoic acid

· TSCA new (21st Century Act) (Substances not listed)

68476-86-8 Petroleum gases, liquefied, sweetened

- · Proposition 65
- Chemicals known to cause cancer:

1330-20-7 xylene

100-41-4 ethylbenzene

95-63-6 1,2,4-trimethylbenzene

· 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:

108-88-3 toluene

- · Cancerogenity categories
- · EPA (Environmental Protection Agency)

67-64-1 acetone: I 78-93-3 butanone: I 1330-20-7 xylene: I 108-88-3 toluene: II 100-41-4 ethylbenzene: D

95-63-6 1,2,4-trimethylbenzene: II

TLV (Threshold Limit Value established by ACGIH)

67-64-1 acetone: A4 1330-20-7 xylene: A4 8032-32-4 Ligroine: A3 108-88-3 toluene: A4 100-41-4 ethylbenzene: A3

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

None of the ingredients is listed.

· GHS label elements

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

Hazard pictograms









GHS02 GHS04 GHS07 GHS08

- · Signal word *Danger*
- Hazard-determining components of labeling: Solvent naphtha (petroleum), light aliph.

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acetone toluene Ligroine

2-butanone oxime

· Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H340 May cause genetic defects.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

· Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.

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

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P302+P352 If on skin: Wash with plenty of water.

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a poison center/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.

P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

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- · National regulations:
- Additional classification according to Decree on Hazardous Materials: Carcinogenic hazardous material group III (dangerous).
- · 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.

#### 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: 317-237-3678.
- · Date of preparation / last revision 07/18/2018 / 12
- · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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. Aerosol 1: Aerosols - Category 1

Press. Gas: Gases under pressure – Compressed gas Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

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

Carc. 1B: Carcinogenicity - Category 1B

Repr. 2: Reproductive toxicity - Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Asp. Tox. 1: Aspiration hazard - Category 1

\* Data compared to the previous version altered.