



Safety Data Sheet White PU NY High gloss topcoat

Safety Data Sheet dated 4/8/2022, version 1








1. Identification

GHS Product identifier
Mixture identification:
Trade name: White PU NY High gloss topcoat
Other means of identification
Trade code: 7LPP2530NC
Recommended use and restrictions on use
Recommended use: Surface coating
Uses advised against:

Supplier's details
Company:
SIRCA S.p.A.
Viale Roma, 85
35010 S. Dono di Massanzago (PD) - ITALY
Tel. +39 0499322311
Competent person responsible for the safety data sheet:
safety@sirca.it
Emergency phone number
For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887.

2. Hazard identification

Classification of the hazardous product

-  Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2A, Causes serious eye irritation.
-  Warning, Skin Sens. 1, May cause an allergic skin reaction.
-  Warning, Carc. 2, Suspected of causing cancer.
-  Warning, Repr. 2, Suspected of damaging fertility or the unborn child.
-  Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

GHS label elements, including precautionary statements

Hazard pictograms:



Danger
Hazard statements:
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
Precautionary statements:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P240 Ground and bond container and receiving equipment.
 P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.
 P242 Use non-sparking tools.
 P243 Take action to prevent static discharges.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash your face, hands and every exposed part thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 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.
 P314 Get medical advice/attention if you feel unwell.
 P321 Specific treatment (see supplementary instructions on this label).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378.C In case of fire: Use a CO₂, Foam, Chemical powders for extinction.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with applicable regulations.

Special provisions

None

Other hazards

None

Ingredient(s) with unknown acute toxicity

None.

3. Composition/Information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

>= 25% - < 48% Titanium dioxide

REACH No.: 01-2119489379-17-xxxx, CAS: 13463-67-7, EC: 236-675-5



A.6/2 Carc. 2 H351

>= 12.5% - < 20% xylene [isomer mixture]

REACH No.: 01-2119488216-32-xxxx, Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7



B.6/3 Flam. Liq. 3 H226



A.10/1 Asp. Tox. 1 H304



A.3/2A Eye Irrit. 2A H319



A.8/3 STOT SE 3 H335



A.9/2 STOT RE 2 H373



A.2/2 Skin Irrit. 2 H315



A.1/4/Dermal Acute Tox. 4 H312



A.1/4/Inhal Acute Tox. 4 H332


>= 2.5% - < 3% ethylbenzene

Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4


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 B.6/2 Flam. Liq. 2 H225

 A.1/4/Inhal Acute Tox. 4 H332

 A.2/2 Skin Irrit. 2 H315

 A.6/2 Carc. 2 H351

 A.10/1 Asp. Tox. 1 H304

>= 0.5% - < 1% butanone

REACH No.: 01-2119457290-43-xxxx, Index number: 606-002-00-3, CAS: 78-93-3, EC: 201-159-0

 B.6/2 Flam. Liq. 2 H225


 A.3/2A Eye Irrit. 2A H319

 A.7/2 Repr. 2 H361

 A.8/3 STOT SE 3 H335

>= 0.1% - < 0.2% Fatty acids, C14-18 and C16-18-unsatd., maleated

REACH No.: 01-2119976378-19-xxxx, CAS: 85711-46-2, EC: 288-306-2

 A.2/2 Skin Irrit. 2 H315

 A.4.2/1 Skin Sens. 1 H317

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed, if necessary

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

In case of fire: Use a CO₂, Foam, Chemical powders for extinction.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

Hazardous combustion products:



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None
Explosive properties: N.A.
Oxidizing properties: N.A.
Special protective equipment and precautions for fire-fighters
Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.
Methods and material for containment and cleaning up
Wash with plenty of water.

7. Handling and storage

Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Exercise the greatest care when handling or opening the container.
Do not use on extensive surface areas in premises where there are occupants.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
Conditions for safe storage, including any incompatibilities
Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from flame and sparks. Avoid accumulating electrostatic charge.
Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.

Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
Safety electric system.
Storage temperature:
Store at ambient temperature.

8. Exposure controls/personal protection

Control parameters
Titanium dioxide - CAS: 13463-67-7
ACGIH - TWA(8h): 10 mg/m³ - Notes: A4 - LRT irr
xylene [isomer mixture] - CAS: 1330-20-7
(OEL (IT)) - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Behaviour: Binding - Notes: pelle
EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin
ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
ethylbenzene - CAS: 100-41-4
(OEL (IT)) - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Behaviour: Binding - Notes: pelle
EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair
butanone - CAS: 78-93-3
(OEL (IT)) - TWA(8h): 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm - Behaviour: Binding
EU - TWA(8h): 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm
ACGIH - TWA(8h): 200 ppm - STEL: 300 ppm - Notes: BEI - URT irr, CNS and PNS impair
DNEL Exposure Limit Values
Titanium dioxide - CAS: 13463-67-7
Worker Industry: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 700 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects
xylene [isomer mixture] - CAS: 1330-20-7
Worker Industry: 180 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 77 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 108 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 1872 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 12.5 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects
ethylbenzene - CAS: 100-41-4
Worker Industry: 180 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

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Worker Industry: 293 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 77 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 butanone - CAS: 78-93-3
 Worker Industry: 1161 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 600 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 412 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Consumer: 106 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Consumer: 31 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Titanium dioxide - CAS: 13463-67-7
 Target: Fresh Water - Value: 0.184 mg/l
 Target: Marine water - Value: 0.0184 mg/l
 Target: Soil (agricultural) - Value: 100 mg/kg
 Target: Marine water sediments - Value: 100 mg/kg - Notes:: dry
 Target: Freshwater sediments - Value: 1000 mg/kg - Notes:: dry
 Target: Soil (agricultural) - Value: 100 mg/kg - Notes:: alimento
 Target: orally (secondary poisoning) - Value: 1667 mg/kg

xylene [isomer mixture] - CAS: 1330-20-7
 Target: Fresh Water - Value: 0.327 mg/l
 Target: Fresh Water - Value: 0.327 mg/l
 Target: occasional emission - Value: 0.327 mg/l
 Target: Microorganisms in sewage treatments - Value: 6.58 mg/l
 Target: Soil (agricultural) - Value: 2.31 mg/kg - Notes:: dry
 Target: Marine water sediments - Value: 12.46 mg/kg - Notes:: dry
 Target: Freshwater sediments - Value: 12.46 mg/kg - Notes:: dry

ethylbenzene - CAS: 100-41-4
 Target: Fresh Water - Value: 0.1 mg/l
 Target: Marine water - Value: 0.01 mg/l
 Target: Freshwater sediments - Value: 13.7 mg/l
 Target: Marine water sediments - Value: 13.7 mg/l
 Target: occasional emission - Value: 0.1 mg/l

butanone - CAS: 78-93-3
 Target: Marine water - Value: 55.8 mg/l
 Target: Fresh Water - Value: 55.8 mg/l
 Target: occasional emission - Value: 55.8 mg/l
 Target: STP - Value: 709 mg/l
 Target: Freshwater sediments - Value: 284.7 mg/kg dwt
 Target: Marine water sediments - Value: 284.7 mg/kg dwt
 Target: Soil (agricultural) - Value: 22.5 mg/kg
 Target: orally (secondary poisoning) - Value: 1000 mg/kg

Appropriate engineering controls
 None

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:
 Use close fitting safety goggles, don't use eye lens.

Protection for skin:
 Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:
 Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:
 Use adequate protective respiratory equipment.

Thermal Hazards:
 None

9. Physical and chemical properties

| | |
|---|--------------------|
| Appearance and colour: | liquid |
| Odour: | characteristic |
| Odour threshold: | N.A. |
| pH: | N.A. |
| Melting point / freezing point: | < 1° C |
| Initial boiling point and boiling range: | > 55° C |
| Flash point: | N.A. |
| Evaporation rate: | N.A. |
| Solid/gas flammability: | N.A. |
| Upper/lower flammability or explosive limits: | N.A. |
| Vapour pressure: | N.A. |
| Vapour density: | N.A. |
| Relative density: | 1.3800 Kg/l a 20°C |
| Solubility in water: | N.A. |
| Solubility in oil: | N.A. |
| Partition coefficient (n-octanol/water): | N.A. |
| Auto-ignition temperature: | > 250° C |
| Decomposition temperature: | N.A. |



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Viscosity: N.A.

10. Stability and reactivity

Reactivity
It may generate dangerous reactions (See subsections below)

Chemical stability
It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions
No dangerous reaction is stored and used appropriately.

Conditions to avoid
Avoid accumulating electrostatic charge.
Vapours can form explosive mixtures with air.

Incompatible materials
Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products
None.

11. Toxicological information

Information on toxicological effects
Toxicological information of the product:
N.A.

Toxicological information of the main substances found in the product:

Titanium dioxide - CAS: 13463-67-7

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 6.82 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

b) skin corrosion/irritation:
Test: Eye Irritant - Species: Rabbit No
Test: Skin Irritant - Species: Rabbit No

d) respiratory or skin sensitisation:
Test: Skin Sensitization - Species: Mouse No

i) STOT-repeated exposure:
Test: NOAEL - Species: Rat 3500 mg/kg/day - Source: polmoni

xylene [isomer mixture] - CAS: 1330-20-7

a) acute toxicity:
Test: LD50 - Route: Inhalation - Species: Rat = 27 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 12126 mg/kg

ethylbenzene - CAS: 100-41-4

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 4710 mg/kg body weight
Test: LD50 - Route: Skin - Species: Rabbit = 15400 mg/kg
Test: LCLo - Route: Inhalation - Species: Rat = 4000 Ppm - Duration: 4h

d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: Cavia porcellus Negative

butanone - CAS: 78-93-3

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2737 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 6480 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 23.5 mg/l - Duration: 8h

b) skin corrosion/irritation:
Test: Skin Corrosive - Species: Rabbit Negative - Notes: moderatamente irritante

Fatty acids, C14-18 and C16-18-unsatd., maleated - CAS: 85711-46-2

a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat Female > 2000 mg/kg

b) skin corrosion/irritation:
Test: Skin Irritant Yes
Test: Eye Irritant - Species: Rabbit No

d) respiratory or skin sensitisation:
Test: Skin Sensitization - Species: Mouse Yes

Substance(s) listed on the NTP report on Carcinogens:
None.

Substance(s) listed on the IARC Monographs:
Titanium dioxide - Group 2B
xylene [isomer mixture] - Group 3
ethylbenzene - Group 2B.

Substance(s) listed as OSHA Carcinogen(s):
None.

Substance(s) listed as NIOSH Carcinogen(s):



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None.

12. Ecological information

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Titanium dioxide - CAS: 13463-67-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 61 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae 100000 mg/kg - Duration h: 480

xylene [isomer mixture] - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 3.2 mg/l - Duration h: 96

Endpoint: LC50 - Species: Algae = 2.6 mg/l - Duration h: 73

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 42.3 mg/l - Duration h: 96

butanone - CAS: 78-93-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 3220 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 520 mg/l - Duration h: 48

Fatty acids, C14-18 and C16-18-unsatd., maleated - CAS: 85711-46-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 150 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: ErC50 - Species: Algae > 100 mg/l - Duration h: 72

Endpoint: EC50 - Species: Active mud > 1000 mg/l - Duration h: 3

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

13. Disposal considerations

Safe handling and methods for disposal

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. Transport information

UN number

ADR-UN Number: 1263

DOT-UN Number: 1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

UN proper shipping name

ADR-Shipping Name: Paint Related material

DOT-Shipping Name: Paint Related material

IATA-Shipping Name: Paint Related material

IMDG-Shipping Name: Paint Related material

Transport hazard class(es)

ADR-Class: 3

DOT-Class: 3

IATA-Class: 3

IMDG-Class: 3

Packing group

ADR-Packing Group: II

DOT-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No

Special precautions

ADR-Tunnel Restriction Code: D/E



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DOT-Special provisions: 149, B52, IB2, T4, TP1, TP8, TP28
IATA-Passenger Aircraft: 353
IATA-Cargo Aircraft: 364
IATA-S.P.: A72
IATA-ERG: 8L
IMDG-EmS: F-E, S-E
IMDG-Storage category: B
IMDG-Storage notes: None

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory

Substance(s) listed under NPRI:

None.

DSL inventory - Domestic substances list

All the components are listed in the DSL.

NDSL inventory - Not Domestic substances list

List of Components included in the NDSL (Not Domestic substances list)

no substances listed

TSCA inventory

List of substances included in the TSCA inventory:

Titanium dioxide

xylene [isomer mixture]

butanone

Fatty acids, C14-18 and C16-18-unsatd., maleated

List of substances not included in the TSCA inventory:

ethylbenzene

TSCA listed substances:

ethylbenzene is listed in TSCA Section 4.

USA - Federal regulations

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: xylene [isomer mixture], ethylbenzene.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: xylene [isomer mixture] - Reportable quantity: 100 pounds

ethylbenzene - Reportable quantity: 1000 pounds

butanone - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 639.0247613 pounds.

CAA - Clean Air Act

CAA listed substances:

xylene [isomer mixture] is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

ethylbenzene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

butanone is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

xylene [isomer mixture] is listed in CWA Section 311, Section 304

ethylbenzene is listed in CWA Section 311, Section 304, Section 307.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

ethylbenzene - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Titanium dioxide

xylene [isomer mixture]

ethylbenzene

butanone.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

Titanium dioxide

xylene [isomer mixture]

ethylbenzene

butanone.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Titanium dioxide

xylene [isomer mixture]

ethylbenzene

butanone.



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16. Other information

Text of phrases referred to under heading 3:

- H351 Suspected of causing cancer.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H315 Causes skin irritation.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H225 Highly flammable liquid and vapour.
- H361 Suspected of damaging fertility or the unborn child.
- H317 May cause an allergic skin reaction.

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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

| | |
|-----------|--|
| ADR: | European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| ATE: | Acute Toxicity Estimate |
| ATEmix: | Acute toxicity Estimate (Mixtures) |
| CAS: | Chemical Abstracts Service (division of the American Chemical Society). |
| CLP: | Classification, Labeling, Packaging. |
| DNEL: | Derived No Effect Level. |
| EINECS: | European Inventory of Existing Commercial Chemical Substances. |
| GHS: | Globally Harmonized System of Classification and Labeling of Chemicals. |
| HMIS: | Hazardous Materials Identification System |
| IARC: | International Agency for Research on Cancer |
| IATA: | International Air Transport Association. |
| IATA-DGR: | Dangerous Goods Regulation by the "International Air Transport Association" (IATA). |
| ICAO: | International Civil Aviation Organization. |
| ICAO-TI: | Technical Instructions by the "International Civil Aviation Organization" (ICAO). |
| IMDG: | International Maritime Code for Dangerous Goods. |
| INCI: | International Nomenclature of Cosmetic Ingredients. |
| KSt: | Explosion coefficient. |
| LC50: | Lethal concentration, for 50 percent of test population. |
| LD50: | Lethal dose, for 50 percent of test population. |
| NFPA: | National Fire Protection Association |
| NIOSH: | National Institute for Occupational Safety and Health |
| NTP: | National Toxicology Program |
| OSHA: | Occupational Safety and Health Administration |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STEL: | Short Term Exposure limit. |
| STOT: | Specific Target Organ Toxicity. |
| TLV: | Threshold Limiting Value. |
| TWA: | Time-weighted average |