

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/26/2024

Reviewed on 08/22/2022

1 Identification

- **Product identifier**
- **Trade name:** 701601/701604 CRUSH ORANGE CHRY PL4 B/C
- **Article number:** 701601/701604
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
EXCEL PRODUCTS
PO BOX 24631
WEST PALM BEACH, FLORIDA 33416
USA
800-957-0848
info@excelproducts.com
- **Information department:** Product safety department
- **Emergency telephone number:** 800 424-9300 (Chemtrec)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer. Route of exposure: Inhalation.

Toxic to Reproduction 2

H361 Suspected of damaging fertility or the unborn child.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

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

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· **Hazard-determining components of labeling:**

acetone
toluene
ethylbenzene
n-butyl acetate

· **Hazard statements**

Highly flammable liquid and vapor.
Causes serious eye irritation.
Suspected of causing cancer. Route of exposure: Inhalation.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.

· **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use CO2, powder or water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
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)**



· **HMIS-ratings (scale 0 - 4)**



· **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:**

| | | |
|------------|------------------|---------|
| 67-64-1 | acetone | 25-50% |
| 123-86-4 | n-butyl acetate | 25-50% |
| 110-43-0 | heptan-2-one | 2.5-10% |
| 1330-20-7 | xylene | 0-≤2.5% |
| 108-88-3 | toluene | 0-≤2.5% |
| 100-41-4 | ethylbenzene | 0-≤2.5% |
| 13463-67-7 | titanium dioxide | ≤2.5% |

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **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.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

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· **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:**

| | | |
|-------------|--|-------------------------|
| 67-64-1 | acetone | 200 ppm |
| 123-86-4 | n-butyl acetate | 5 ppm |
| 110-43-0 | heptan-2-one | 150 ppm |
| 1330-20-7 | xylene | 130 ppm |
| 108-88-3 | toluene | 67 ppm |
| 100-41-4 | ethylbenzene | 33 ppm |
| 112926-00-8 | Precipitated silica (Silica-Amorphous) | 18 mg/m ³ |
| 71-36-3 | butan-1-ol | 60 ppm |
| 13463-67-7 | titanium dioxide | 30 mg/m ³ |
| 108-38-3 | m-xylene | 130 ppm |
| 122-99-6 | 2-phenoxyethanol | 1.5 ppm |
| 64-17-5 | ethanol | 1,800 ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 50 ppm |
| 1333-86-4 | Carbon black | 9 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 0.075 mg/m ³ |
| 57-55-6 | Propylene glycol | 30 mg/m ³ |
| 78-83-1 | butanol | 150 ppm |
| 34590-94-8 | Dipropylene glycol monomethyl ether | 150 ppm |
| 108-83-8 | 2,6-dimethylheptan-4-one | 75 ppm |
| 70657-70-4 | 2-methoxypropyl acetate | 50 ppm |

· **PAC-2:**

| | | |
|-------------|--|-------------------------|
| 67-64-1 | acetone | 3200* ppm |
| 123-86-4 | n-butyl acetate | 200 ppm |
| 110-43-0 | heptan-2-one | 670 ppm |
| 1330-20-7 | xylene | 920* ppm |
| 108-88-3 | toluene | 560 ppm |
| 100-41-4 | ethylbenzene | 1100* ppm |
| 112926-00-8 | Precipitated silica (Silica-Amorphous) | 200 mg/m ³ |
| 71-36-3 | butan-1-ol | 800 ppm |
| 13463-67-7 | titanium dioxide | 330 mg/m ³ |
| 108-38-3 | m-xylene | 920 ppm |
| 122-99-6 | 2-phenoxyethanol | 16 ppm |
| 64-17-5 | ethanol | 3300* ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 1,000 ppm |
| 1333-86-4 | Carbon black | 99 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 33 mg/m ³ |
| 57-55-6 | Propylene glycol | 1,300 mg/m ³ |
| 78-83-1 | butanol | 1,300 ppm |

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|-----------------|--|-------------------------|
| 34590-94-8 | Dipropylene glycol monomethyl ether | 1700* ppm |
| 108-83-8 | 2,6-dimethylheptan-4-one | 330 ppm |
| 70657-70-4 | 2-methoxypropyl acetate | 1,000 ppm |
| · PAC-3: | | |
| 67-64-1 | acetone | 5700* ppm |
| 123-86-4 | n-butyl acetate | 3000* ppm |
| 110-43-0 | heptan-2-one | 4000* ppm |
| 1330-20-7 | xylene | 2500* ppm |
| 108-88-3 | toluene | 3700* ppm |
| 100-41-4 | ethylbenzene | 1800* ppm |
| 112926-00-8 | Precipitated silica (Silica-Amorphous) | 1,200 mg/m ³ |
| 71-36-3 | butan-1-ol | 8000** ppm |
| 13463-67-7 | titanium dioxide | 2,000 mg/m ³ |
| 108-38-3 | m-xylene | 2500* ppm |
| 122-99-6 | 2-phenoxyethanol | 97 ppm |
| 64-17-5 | ethanol | 15000* ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 5000* ppm |
| 1333-86-4 | Carbon black | 590 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 200 mg/m ³ |
| 57-55-6 | Propylene glycol | 7,900 mg/m ³ |
| 78-83-1 | butanol | 8000* ppm |
| 34590-94-8 | Dipropylene glycol monomethyl ether | 9900** ppm |
| 108-83-8 | 2,6-dimethylheptan-4-one | 2000* ppm |
| 70657-70-4 | 2-methoxypropyl acetate | 5,000 ppm |

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see section 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 remaining constituent has 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: 500 ppm

Long-term value: 250 ppm
A4, BEI

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

110-43-0 heptan-2-one

PEL Long-term value: 465 mg/m³, 100 ppm

REL Long-term value: 465 mg/m³, 100 ppm

TLV Long-term value: 50 ppm

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 Long-term value: 20 ppm

BEI, A4

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: 20 ppm

BEI, OTO, A4

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: 20 ppm

OTO, BEI, A3

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· **Ingredients with biological limit values:**

67-64-1 acetone

BEI 25 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Acetone (nonspecific)

1330-20-7 xylene

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

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 0.15 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.
 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:**



Protective gloves

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

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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.

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

| | |
|--------------------------|-----------------|
| · Form: | Liquid |
| · Color: | Orange |
| · Odor: | Characteristic |
| · Odor threshold: | Not determined. |

- **pH-value:** Not determined (pH N/A in solvent coatings)

- **Change in condition**

| | |
|---------------------------------------|-------------------------------|
| · Melting point/Melting range: | Undetermined. |
| · Boiling point/Boiling range: | 55.8-56.6 °C (132.4-133.9 °F) |

- **Flash point:** <-18 °C (<-0.4 °F)

- **Flammability (solid, gaseous):** Highly flammable.

- **Auto igniting:** 370 °C (698 °F)

- **Decomposition temperature:** Not determined.

- **Ignition temperature:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.

- **Explosion limits:**

| | |
|-----------------|-----------|
| · Lower: | 1.2 Vol % |
| · Upper: | 13 Vol % |

- **Vapor pressure at 20 °C (68 °F):** 233 hPa (174.8 mm Hg)

- **Vapor pressure at 50 °C (122 °F):** 800 hPa (600 mm Hg)

- **Density at 20 °C (68 °F):** 0.9201 g/cm³ (7.6782 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

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| | |
|---|--|
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with Water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 75.8 % |
| VOC content: | ≥38.61-<38.67 % 548.3 g/l / 4.58 lb/gal |
| · Solids content: | 30.0 % |
| · 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:**

123-86-4 n-butyl acetate

| | | |
|------------|----------|-----------------------|
| Oral | LD50 | 13,100 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | >21 mg/l (rat) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

1330-20-7 xylene

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| | | |
|-------------|--|----|
| 108-88-3 | toluene | 3 |
| 100-41-4 | ethylbenzene | 2B |
| 112926-00-8 | Precipitated silica (Silica-Amorphous) | 3 |
| 13463-67-7 | titanium dioxide | 2B |
| 95-47-6 | o-xylene | 3 |
| 106-42-3 | p-xylene | 3 |
| 108-38-3 | m-xylene | 3 |
| 64-17-5 | ethanol | 1 |
| 1333-86-4 | Carbon black | 2B |
| 14808-60-7 | Quartz (SiO ₂) | 1 |

· **NTP (National Toxicology Program)**

| | | |
|------------|----------------------------|---|
| 14808-60-7 | Quartz (SiO ₂) | 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:** Not hazardous for water.
- **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.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|--|---------------|
| <ul style="list-style-type: none"> · UN-Number · DOT, IMDG, IATA | <p>UN1263</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT | <p>Paint</p> |

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| | |
|--|----------------------------------|
| <ul style="list-style-type: none"> · IMDG, IATA · Transport hazard class(es) · DOT | <p>PAINT</p> |
|  | |
| <ul style="list-style-type: none"> · Class · Label | <p>3 Flammable liquids 3</p> |

| | |
|--|----------------------------------|
| <ul style="list-style-type: none"> · IMDG, IATA | |
|  | |
| <ul style="list-style-type: none"> · Class · Label | <p>3 Flammable liquids 3</p> |

| | |
|--|-----------|
| <ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA | <p>II</p> |
|--|-----------|

| | |
|---|------------------------|
| <ul style="list-style-type: none"> · Environmental hazards: | <p>Not applicable.</p> |
|---|------------------------|

| | |
|--|---|
| <ul style="list-style-type: none"> · Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category | <p>Warning: Flammable liquids 33 F-E, S-E B</p> |
|--|---|

| | |
|--|------------------------|
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <p>Not applicable.</p> |
|--|------------------------|

| | |
|---|---|
| <ul style="list-style-type: none"> · Transport/Additional information: · DOT · Quantity limitations | <p>On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L</p> |
|---|---|

| | |
|--|---|
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | <p>5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p> |
|--|---|

| | |
|---|-----------------------------|
| <ul style="list-style-type: none"> · UN "Model Regulation": | <p>UN 1263 PAINT, 3, II</p> |
|---|-----------------------------|

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

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· **Section 313 (Specific toxic chemical listings):**

| | |
|-----------|------------------|
| 1330-20-7 | xylene |
| 108-88-3 | toluene |
| 100-41-4 | ethylbenzene |
| 71-36-3 | butan-1-ol |
| 95-47-6 | o-xylene |
| 106-42-3 | p-xylene |
| 108-38-3 | m-xylene |
| 122-99-6 | 2-phenoxyethanol |

· **TSCA (Toxic Substances Control Act):**

| | | |
|------------|---|--------|
| 67-64-1 | acetone | ACTIVE |
| 123-86-4 | n-butyl acetate | ACTIVE |
| 9004-36-8 | Cellulose Acetate Butyrate | ACTIVE |
| 110-43-0 | heptan-2-one | ACTIVE |
| 1330-20-7 | xylene | ACTIVE |
| 108-88-3 | toluene | ACTIVE |
| 100-41-4 | ethylbenzene | ACTIVE |
| 71-36-3 | butan-1-ol | ACTIVE |
| 61790-51-0 | Resin acids and Rosin acids, sodium salts | ACTIVE |
| 13463-67-7 | titanium dioxide | ACTIVE |
| 95-47-6 | o-xylene | ACTIVE |
| 106-42-3 | p-xylene | ACTIVE |
| 108-38-3 | m-xylene | ACTIVE |
| 64742-47-8 | Distillates (petroleum), hydrotreated light | ACTIVE |
| 122-99-6 | 2-phenoxyethanol | ACTIVE |
| 64-17-5 | ethanol | ACTIVE |
| 8002-74-2 | Paraffin waxes and Hydrocarbon waxes | ACTIVE |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | ACTIVE |
| 1333-86-4 | Carbon black | ACTIVE |
| 14808-60-7 | Quartz (SiO ₂) | ACTIVE |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | ACTIVE |
| 57-55-6 | Propylene glycol | ACTIVE |
| 78-83-1 | butanol | ACTIVE |
| 34590-94-8 | Dipropylene glycol monomethyl ether | ACTIVE |
| 108-83-8 | 2,6-dimethylheptan-4-one | ACTIVE |

· **Hazardous Air Pollutants**

| | |
|-----------|--------------|
| 1330-20-7 | xylene |
| 108-88-3 | toluene |
| 100-41-4 | ethylbenzene |
| 95-47-6 | o-xylene |
| 106-42-3 | p-xylene |
| 108-38-3 | m-xylene |

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· **Proposition 65**

· **Chemicals known to cause cancer:**

| | |
|------------|----------------------------|
| 100-41-4 | ethylbenzene |
| 13463-67-7 | titanium dioxide |
| 1333-86-4 | Carbon black |
| 14808-60-7 | Quartz (SiO ₂) |

· **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 |
| 64-17-5 | ethanol |

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

| | | |
|-----------|--------------|----|
| 67-64-1 | acetone | I |
| 1330-20-7 | xylene | I |
| 108-88-3 | toluene | II |
| 100-41-4 | ethylbenzene | D |
| 71-36-3 | butan-1-ol | D |
| 95-47-6 | o-xylene | I |
| 106-42-3 | p-xylene | I |
| 108-38-3 | m-xylene | I |

· **TLV (Threshold Limit Value)**

| | | |
|------------|----------------------------|----|
| 67-64-1 | acetone | A4 |
| 1330-20-7 | xylene | A4 |
| 108-88-3 | toluene | A4 |
| 100-41-4 | ethylbenzene | A3 |
| 13463-67-7 | titanium dioxide | A4 |
| 95-47-6 | o-xylene | A4 |
| 106-42-3 | p-xylene | A4 |
| 108-38-3 | m-xylene | A4 |
| 64-17-5 | ethanol | A3 |
| 1333-86-4 | Carbon black | A4 |
| 14808-60-7 | Quartz (SiO ₂) | A2 |

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

| | |
|------------|----------------------------|
| 13463-67-7 | titanium dioxide |
| 1333-86-4 | Carbon black |
| 14808-60-7 | Quartz (SiO ₂) |

· **GHS label elements**

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

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- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

acetone
toluene
ethylbenzene
n-butyl acetate

- **Hazard statements**

Highly flammable liquid and vapor.
Causes serious eye irritation.
Suspected of causing cancer. Route of exposure: Inhalation.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.

- **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use CO₂, powder or water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection department.
- **Contact:** Product Safety Dept.
- **Date of preparation / last revision** 02/26/2024

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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)
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
Flammable Liquids 2: Flammable liquids – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Carcinogenicity 2: Carcinogenicity – Category 2
Toxic to Reproduction 2: Reproductive toxicity – Category 2
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

USA