

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Dr ColorChip Touch - Up Paint SMU
Product code : TSNT

1.2. Recommended use and restrictions on use

Recommended use : Brush Auto Touch Up

1.3. Supplier

Manufacturer

Dr. ColorChip Corp.
1369 North Killian Dr. Unit #1
Lake Park, FL 33403 - USA
T 561-845-6122
orders@drcolorchip.com

1.4. Emergency telephone number

Emergency number : 561-845-6122

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flam. Liq. 3	Flammable liquid and vapor
Skin Irrit. 2	Causes skin irritation
Eye Irrit. 2A	Causes serious eye irritation
Resp. Sens. 1	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
Skin Sens. 1	May cause an allergic skin reaction
Carc. 2	Suspected of causing cancer
Repr. 1B	May damage fertility or the unborn child
Asp. Tox. 1	May be fatal if swallowed and enters airways

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Flammable liquid and vapor
Causes skin irritation
Causes serious eye irritation
May cause an allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Suspected of causing cancer
May damage fertility or the unborn child
May be fatal if swallowed and enters airways

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Precautionary statements (GHS US) : If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands, forearms and face thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
Wear respiratory protection.
If swallowed: Immediately call a poison center or doctor.
Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a poison center or doctor.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
If exposed or concerned: Get medical advice/attention.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Hexamethylene diisocyanate homopolymer	CAS-No.: 28182-81-2	30 – 40
Petroleum distillates, hydrotreated light	CAS-No.: 64742-47-8	30 – 40
Propylene glycol monomethyl ether acetate	CAS-No.: 108-65-6	5 – 10
n-Butyl acetate	CAS-No.: 123-86-4	1 – 5
Benzene, 1,2,4-trimethyl-	CAS-No.: 95-63-6	0.5 – 1.5
Solvent naphtha, petroleum, light aromatic	CAS-No.: 64742-95-6	0.5 – 1.5
Xylenes (o-, m-, p- isomers)	CAS-No.: 1330-20-7	0.1 – 1

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Name	Product identifier	%
1-Propanol, 2-methoxy-, acetate	CAS-No.: 70657-70-4	0.1 – 1
Hexane, 1,6-diisocyanato-	CAS-No.: 822-06-0	0.1 – 1
Ethylbenzene	CAS-No.: 100-41-4	< 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Suspected of causing cancer. May damage fertility or the unborn child.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: Do not use water spray.

5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable liquid and vapor. Products of combustion may include, and are not limited to: oxides of carbon.
Explosion hazard	: May form flammable/explosive vapor-air mixture.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition. Use only non-sparking tools.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so. Remove all sources of ignition. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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. Avoid contact with skin and eyes. Do not swallow. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Handle and open container with care.

Hygiene measures : Wash hands, forearms and face thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep out of the reach of children. Store locked up. Keep in fireproof place. Keep away from clothing and other combustible materials. Keep away from heat and direct sunlight. Keep away from food, drink and animal feedingstuffs. Store tightly closed in a dry, cool and well-ventilated place.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Dr ColorChip Touch - Up Paint SMU	
No additional information available	
Hexamethylene diisocyanate homopolymer (28182-81-2)	
No additional information available	
Petroleum distillates, hydrotreated light (64742-47-8)	
No additional information available	
Propylene glycol monomethyl ether acetate (108-65-6)	
USA - AIHA - Occupational Exposure Limits	
WEEL TWA [ppm]	50 ppm
n-Butyl acetate (123-86-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	n-Butyl acetate
ACGIH OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
ACGIH OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
Remark (ACGIH)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Limits	
Local name	n-Butyl-acetate
OSHA PEL (TWA) [1]	710 mg/m ³
OSHA PEL (TWA) [2]	150 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - IDLH - Occupational Exposure Limits	
IDLH [ppm]	1700 ppm (10% LEL)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	710 mg/m ³
NIOSH REL TWA [ppm]	150 ppm
NIOSH REL (STEL)	950 mg/m ³
NIOSH REL STEL [ppm]	200 ppm
Benzene, 1,2,4-trimethyl- (95-63-6)	
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	125 mg/m ³
NIOSH REL TWA [ppm]	25 ppm
Solvent naphtha, petroleum, light aromatic (64742-95-6)	
No additional information available	

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Hexane, 1,6-diisocyanato- (822-06-0)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Hexamethylene diisocyanate
ACGIH OEL TWA [ppm]	0.005 ppm
Remark (ACGIH)	TLV® Basis: URT irr; resp sens. Notations: BEI
Regulatory reference	ACGIH 2020
USA - ACGIH - Biological Exposure Indices	
Local name	1,6-HEXAMETHYLENE DIISOCYANATE
BEI (BLV)	15 µg/g Kreatinin Parameter: 1,6-Hexamethylenediamine with hydrolysis - Medium: urine - Sampling time: end of shift (nonspecific)
Regulatory reference	ACGIH 2020
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	0.035 mg/m³
NIOSH REL TWA [ppm]	0.005 ppm
NIOSH REL (Ceiling)	0.14 mg/m³
NIOSH REL C [ppm]	0.02 ppm
1-Propanol, 2-methoxy-, acetate (70657-70-4)	
No additional information available	
Xylenes (o-, m-, p- isomers) (1330-20-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
BEI (BLV)	1.5 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift
USA - OSHA - Occupational Exposure Limits	
Local name	Xylenes (o-, m-, p-isomers)
OSHA PEL (TWA) [1]	435 mg/m³
OSHA PEL (TWA) [2]	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
Ethylbenzene (100-41-4)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA - ACGIH - Biological Exposure Indices	
BEI (BLV)	0.15 g/g Kreatinin Parameter: Sum of mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific)
USA - OSHA - Occupational Exposure Limits	
Local name	Ethyl benzene
OSHA PEL (TWA) [1]	435 mg/m³
OSHA PEL (TWA) [2]	100 ppm

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Ethylbenzene (100-41-4)	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1 OSHA Annotated Table Z-1
USA - IDLH - Occupational Exposure Limits	
IDLH [ppm]	800 ppm (10% LEL)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	435 mg/m ³
NIOSH REL TWA [ppm]	100 ppm
NIOSH REL (STEL)	545 mg/m ³
NIOSH REL STEL [ppm]	125 ppm

Exposure limit values of other components

Titanium Dioxide (13463-67-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Titanium dioxide
ACGIH OEL TWA	10 mg/m ³
Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Limits	
Local name	Titanium dioxide (Total dust)
OSHA PEL (TWA) [1]	15 mg/m ³ (total dust)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - IDLH - Occupational Exposure Limits	
IDLH	5000 mg/m ³
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	2.4 mg/m ³ (CIB 63-fine) 0.3 mg/m ³ (CIB 63-ultrafine, including engineered nanoscale)

Carbon black (1333-86-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Carbon black
ACGIH OEL TWA	3 mg/m ³ (inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2020
USA - OSHA - Occupational Exposure Limits	
Local name	Carbon black
OSHA PEL (TWA) [1]	3.5 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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Carbon black (1333-86-4)	
USA - IDLH - Occupational Exposure Limits	
IDLH	1750 mg/m ³
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	3.5 mg/m ³ 0.1 mg/m ³ (Carbon black in presence of Polycyclic aromatic hydrocarbons)
Talc (14807-96-6)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH chemical category	Not Classifiable as a Human Carcinogen containing no asbestos fibers
USA - OSHA - Occupational Exposure Limits	
Local name	Talc (not containing asbestos) (Silicates (less than 1% crystalline silica))
OSHA PEL (TWA) [2]	20 mppcf
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
USA - IDLH - Occupational Exposure Limits	
IDLH	1000 mg/m ³ (containing no asbestos and <1% quartz)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	2 mg/m ³ (containing no Asbestos and <1% Quartz-respirable dust)

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Wear suitable gloves resistant to chemical penetration
Eye protection:
Wear eye/face protection
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
Wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
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Appearance	: Black liquid
Color	: Various
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 101 °F / 38.3 °C (TCC)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Flammable liquid and vapor.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available.
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 2.5 mm ² /s @ 40 °C (104°F)
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor. No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

May form flammable/explosive vapor-air mixture. Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Sources of ignition. Direct sunlight. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May release flammable gases. May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified

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Acute toxicity (inhalation) : Not classified.

Hexamethylene diisocyanate homopolymer (28182-81-2)	
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat	18500 mg/m ³ (Exposure time: 1 h)
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	18.5 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Petroleum distillates, hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 5.2 mg/l/4h
Propylene glycol monomethyl ether acetate (108-65-6)	
LD50 oral rat	8532 mg/kg
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 5 g/kg
LC50 inhalation rat	16000 mg/m ³ (Exposure time: 6 h)
ATE US (oral)	8532 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	16 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
n-Butyl acetate (123-86-4)	
LD50 oral rat	10768 mg/kg
LD50 dermal rabbit	> 17600 mg/kg
LC50 inhalation rat	0.74 mg/l/4h
ATE US (oral)	10768 mg/kg body weight
ATE US (gases)	100 ppmV/4h
ATE US (vapors)	0.74 mg/l/4h
ATE US (dust, mist)	0.05 mg/l/4h
Benzene, 1,2,4-trimethyl- (95-63-6)	
LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat	18 g/m ³ (Exposure time: 4 h)
ATE US (oral)	3280 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	18 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

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Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	3400 ppm/4h
ATE US (oral)	8400 mg/kg body weight
ATE US (gases)	3400 ppmV/4h
Hexane, 1,6-diisocyanato- (822-06-0)	
LD50 oral rat	738 mg/kg
LD50 dermal rat	> 7000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	0.06 mg/l/4h
ATE US (oral)	738 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	10 ppmV/4h
ATE US (vapors)	0.06 mg/l/4h
ATE US (dust, mist)	0.06 mg/l/4h
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	> 4350 mg/kg
LC50 inhalation rat	29.08 mg/l/4h
ATE US (oral)	3500 mg/kg body weight
ATE US (dermal)	1700 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 inhalation rat	17.4 mg/l/4h
ATE US (oral)	3500 mg/kg body weight
ATE US (dermal)	15400 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	17.4 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH: No data available
Serious eye damage/irritation	: Causes serious eye irritation. pH: No data available
Respiratory or skin sensitization	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

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Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
IARC group	3 - Not classifiable
Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity
In OSHA Hazard Communication Carcinogen list	Yes
Reproductive toxicity	: May damage fertility or the unborn child.
Petroleum distillates, hydrotreated light (64742-47-8)	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg body weight Animal: rat, Animal sex: male
STOT-single exposure	: Not classified
n-Butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.
Benzene, 1,2,4-trimethyl- (95-63-6)	
STOT-single exposure	May cause respiratory irritation.
Solvent naphtha, petroleum, light aromatic (64742-95-6)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
Hexane, 1,6-diisocyanato- (822-06-0)	
STOT-single exposure	May cause respiratory irritation.
1-Propanol, 2-methoxy-, acetate (70657-70-4)	
STOT-single exposure	May cause respiratory irritation.
Xylenes (o-, m-, p- isomers) (1330-20-7)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Petroleum distillates, hydrotreated light (64742-47-8)	
NOAEL (oral, rat, 90 days)	750 mg/kg body weight Animal: rat, Animal sex: female
NOAEC (inhalation, rat, vapor, 90 days)	≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)
Propylene glycol monomethyl ether acetate (108-65-6)	
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Benzene, 1,2,4-trimethyl- (95-63-6)	
NOAEL (oral, rat, 90 days)	600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, vapor, 90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)

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Xylenes (o-, m-, p- isomers) (1330-20-7)	
LOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
Ethylbenzene (100-41-4)	
NOAEL (oral,rat,90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: 2.5 mm ² /s @ 40 °C (104°F)
Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Suspected of causing cancer. May damage fertility or the unborn child.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Petroleum distillates, hydrotreated light (64742-47-8)	
LC50 - Fish [1]	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Propylene glycol monomethyl ether acetate (108-65-6)	
LC50 - Fish [1]	161 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'
n-Butyl acetate (123-86-4)	
LC50 - Fish [1]	100 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
LC50 - Fish [2]	17 – 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Benzene, 1,2,4-trimethyl- (95-63-6)	
LC50 - Fish [1]	7.19 – 8.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Solvent naphtha, petroleum, light aromatic (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

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Solvent naphtha, petroleum, light aromatic (64742-95-6)	
EC50 - Crustacea [1]	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Hexane, 1,6-diisocyanato- (822-06-0)	
LC50 - Fish [1]	26.1 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LC50 - Fish [1]	13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	3.82 mg/l (Exposure time: 48 h - Species: water flea)
LC50 - Fish [2]	2.661 – 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [2]	0.6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
Ethylbenzene (100-41-4)	
LC50 - Fish [1]	11 – 18 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic crustacea	0.956 mg/l
12.2. Persistence and degradability	
Dr ColorChip Touch - Up Paint SMU	
Persistence and degradability	Not established.
12.3. Bioaccumulative potential	
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Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	Not established.
Petroleum distillates, hydrotreated light (64742-47-8)	
BCF - Fish [1]	61 – 159
Propylene glycol monomethyl ether acetate (108-65-6)	
Partition coefficient n-octanol/water	0.43
n-Butyl acetate (123-86-4)	
Partition coefficient n-octanol/water	1.81 (at 23 °C)
Benzene, 1,2,4-trimethyl- (95-63-6)	
Partition coefficient n-octanol/water	3.63
Xylenes (o-, m-, p- isomers) (1330-20-7)	
BCF - Fish [1]	0.6 – 15
Partition coefficient n-octanol/water	2.77 – 3.15

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Ethylbenzene (100-41-4)

BCF - Fish [1]	15
Partition coefficient n-octanol/water	3.2

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimized wherever possible.

Additional information : Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

In accordance with Department of Transport / IATA

14.1. UN number

DOT NA No : UN1263
UN-No. (IATA) : 1263

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Paint
Proper Shipping Name (IATA) : Paint

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : 3
Hazard labels (DOT) : 3



IATA
Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3



14.4. Packing group

Packing group (DOT) : III

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Packing group (IATA) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

1-Propanol, 2-methoxy-, acetate	CAS-No. 70657-70-4
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15.2. International regulations

No additional information available

15.3. US State regulations

⚠ WARNING: This product can expose you to Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Issue date : 11/08/2017
Revision date : 10/05/2021
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



Indication of changes:

SDS update.

Safety Data Sheet (SDS), USA

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