



DRIVING SURFACE PERFECTION

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS ID: R1KTPUW-US-SDS
Issue date: 9/24/2021 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : UP4902 RAPTOR 1K Touch Up Paint Universal White
UP Number : UP4902

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Coatings and paints, thinners, paint removers

1.3. Supplier

U-POL US Inc Inc.
108 Commerce Way
Easton, Pennsylvania, PA 18083
United States
T 1-800-340-7824 - F 1-800-787-5150
technicalsupport@u-pol.com - www.u-pol.com

1.4. Emergency telephone number

Emergency number : CHEMTREC - 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

| | |
|--|--|
| Flammable aerosol Category 1 | Extremely flammable aerosol |
| Gases under pressure Compressed gas | Contains gas under pressure; may explode if heated |
| Serious eye damage/eye irritation Category 1 | Causes serious eye damage |
| Skin sensitization, Category 1 | May cause an allergic skin reaction |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis | May cause drowsiness or dizziness |

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Extremely flammable aerosol
Contains gas under pressure; may explode if heated
May cause an allergic skin reaction
Causes serious eye damage
May cause drowsiness or dizziness
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Avoid breathing fume, spray, vapors.
Use only outdoors or in a well-ventilated area.

Precautionary statements (GHS US) :

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Contaminated work clothing must not be allowed out of the workplace.
Wear Eye protection, Protective clothing, Protective gloves.
If on skin: Wash with plenty of water.
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.
Call a doctor if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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)

5.56% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapors))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|--|--------------------|--------|--|
| methyl acetate | CAS-No.: 79-20-9 | 5 – 23 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| n-butyl acetate | CAS-No.: 123-86-4 | 5 – 23 | Flam. Liq. 3, H226 STOT SE 3, H336 |
| cyclohexanone | CAS-No.: 108-94-1 | 5 – 23 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| ethyl methyl ketone | CAS-No.: 78-93-3 | 5 – 23 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | - | < 5 | Skin Sens. 1A, H317 Aquatic Chronic 2, H411 |

Full text of hazard classes and H-statements : see section 16

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Call a poison center/doctor/physician if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Call a poison center/doctor/physician if you feel unwell. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

5.2. Specific hazards arising from the chemical

| | |
|--|--------------------------------|
| Fire hazard | : Extremely flammable aerosol. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing fume, mist, spray, vapors. Avoid contact with skin and eyes. |
|----------------------|--|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | : Mechanically recover the product. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing spray, vapors, fume, mist. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

UP4902 RAPTOR 1K Touch Up Paint Universal White

No additional information available

methyl acetate (79-20-9)

USA - ACGIH - Occupational Exposure Limits

| | |
|----------------------|---|
| Local name | Methyl acetate |
| ACGIH OEL TWA [ppm] | 200 ppm |
| ACGIH OEL STEL [ppm] | 250 ppm |
| Remark (ACGIH) | TLV® Basis: Headache; dizziness; nausea; eye dam (degeneration of ganglion cells in the retina) |
| Regulatory reference | ACGIH 2021 |

USA - OSHA - Occupational Exposure Limits

| | |
|--------------------------------|--------------------------|
| Local name | Methyl acetate |
| OSHA PEL (TWA) [1] | 610 mg/m ³ |
| OSHA PEL (TWA) [2] | 200 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

ethyl methyl ketone (78-93-3)

USA - ACGIH - Occupational Exposure Limits

| | |
|----------------------|---|
| Local name | Methyl ethyl ketone (MEK) |
| ACGIH OEL TWA [ppm] | 200 ppm |
| ACGIH OEL STEL [ppm] | 300 ppm |
| Remark (ACGIH) | TLV® Basis: URT irr; CNS & PNS impair. Notations: BEI |

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| ethyl methyl ketone (78-93-3) | |
|---|---|
| Regulatory reference | ACGIH 2021 |
| USA - ACGIH - Biological Exposure Indices | |
| Local name | METHYL ETHYL KETONE |
| BEI (BLV) | 2 mg/l Parameter: Methyl ethyl ketone - Medium: urine - Sampling time: End of shift - Notations: Ns |
| Regulatory reference | ACGIH 2021 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | 2-Butanone (Methyl ethyl ketone) |
| OSHA PEL (TWA) [1] | 590 mg/m ³ |
| OSHA PEL (TWA) [2] | 200 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| cyclohexanone (108-94-1) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Cyclohexanone |
| ACGIH OEL TWA [ppm] | 20 ppm |
| ACGIH OEL STEL [ppm] | 50 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & URT irr. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2021 |
| USA - ACGIH - Biological Exposure Indices | |
| Local name | CYCLOHEXANONE |
| BEI (BLV) | 80 mg/l Parameter: 1,2-Cyclohexanediol (with hydrolysis) - Medium: urine - Sampling time: End of shift at end of workweek - Notations: Ns, Sq 8 mg/l Parameter: Cyclohexanol (with hydrolysis) - Medium: urine - Sampling time: End of shift - Notations: Ns, Sq |
| Regulatory reference | ACGIH 2021 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Cyclohexanone |
| OSHA PEL (TWA) [1] | 200 mg/m ³ |
| OSHA PEL (TWA) [2] | 50 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| n-butyl acetate (123-86-4) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | n-Butyl acetate |
| ACGIH OEL TWA [ppm] | 50 ppm |
| ACGIH OEL STEL [ppm] | 150 ppm |
| Remark (ACGIH) | TLV® Basis: Eye & URT irr |
| Regulatory reference | ACGIH 2021 |

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| n-butyl acetate (123-86-4) | |
|---|--------------------------|
| 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 |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | |
| No additional information available | |

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

| |
|--|
| Hand protection: |
| Protective gloves |
| Eye protection: |
| Safety glasses |
| Skin and body protection: |
| Wear suitable protective clothing |
| Respiratory protection: |
| In case of insufficient ventilation, wear suitable respiratory equipment |

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : aerosol.
Color : white
Odor : Solvent-like odour
Odor threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : Extremely flammable aerosol.

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|---|---------------------------|
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 0.812 g/cm ³ |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

| | |
|--------------------------------------|---|
| VOC content | : 701 g/l |
| As Packaged Regulatory VOC | : 666 g/l (5.6 lbs gal) |
| As Packaged Actual VOC | : 579 g/l (4.8 lbs gal) |
| As Applied Regulatory VOC | : 666 g/l (5.6 lbs gal) |
| As Applied Actual VOC | : 579 g/l (4.8 lbs gal) |
| Percent Solids | : 13.7 wt% |
| Percent Solids | : 8.00 vol % |
| Volatiles | : 86.3 wt% |
| Water Content | : 0 wt% |
| Water Content | : 0 vol % |
| Exempt Compounds by weight | : 15.0 wt% |
| Exempt Compounds by volume | : 13.1 vol % |
| % EPA HAPS | : 7.6 wt% |
| Maximum Incremental Reactivity (MIR) | : 0.65 |
| MIR EPA Aerosol Category | : Non-Flat Coating - NFP 1.4 |
| MIR CARB Aerosol Category | : Nonflat Coating - General Coatings - NFP 0.95 |
| Bay Area Aerosol Category | : General Coatings - Non-Flat Paint Products - max. 65% VOC |

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

UP4902 RAPTOR 1K Touch Up Paint Universal White

| | |
|---------------------------------|--|
| Unknown acute toxicity (GHS US) | 5.56% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapors)) |
|---------------------------------|--|

methyl acetate (79-20-9)

| | |
|-----------------------|---|
| LD50 oral rat | 6482 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2000 mg/kg body weight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | 49 mg/l |
| ATE US (oral) | 6482 mg/kg body weight |
| ATE US (vapors) | 49 mg/l/4h |
| ATE US (dust, mist) | 49 mg/l/4h |

ethyl methyl ketone (78-93-3)

| | |
|--------------------|---|
| LD50 oral rat | 2193 mg/kg body weight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 10 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) |
| ATE US (oral) | 2193 mg/kg body weight |

cyclohexanone (108-94-1)

| | |
|-----------------------|--|
| LD50 oral rat | 1890 – 2650 mg/kg body weight (BASF test, Rat, Experimental value, Oral, 7 day(s)) |
| LD50 dermal rabbit | 1100 mg/kg (BRENNTAG test) |
| LC50 Inhalation - Rat | > 6.2 mg/l air Animal: rat |
| ATE US (oral) | 1890 mg/kg body weight |
| ATE US (dermal) | 1100 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 |

n-butyl acetate (123-86-4)

| | |
|-----------------------------|---|
| LD50 oral rat | 10760 – 12789 mg/kg body weight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 14112 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Inhalation (mixture of vapour and aerosol), 14 day(s)) |
| LC50 Inhalation - Rat [ppm] | 390 ppm/4h |
| ATE US (oral) | 10760 mg/kg body weight |

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| n-butyl acetate (123-86-4) | |
|---|--|
| ATE US (gases) | 390 ppmV/4h |
| ATE US (vapors) | 23.4 mg/l/4h |
| ATE US (dust, mist) | 23.4 mg/l/4h |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | |
| LD50 oral rat | > 5000 mg/kg (OECD Guideline No. 401 (equivalent to Annex V), limit test, rat, male/female) |
| LD50 dermal rat | > 2000 mg/kg (OECD Guideline No. 402 (equivalent to Annex V), limit test, rat, male/female) |
| LC50 Inhalation - Rat | 5800 mg/l (OECD Guideline 403, 14d, rat) |
| ATE US (vapors) | 5800 mg/l/4h |
| ATE US (dust, mist) | 5800 mg/l/4h |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Causes serious eye damage. |
| Respiratory or skin sensitization | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| cyclohexanone (108-94-1) | |
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause drowsiness or dizziness. |
| methyl acetate (79-20-9) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| ethyl methyl ketone (78-93-3) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| n-butyl acetate (123-86-4) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure | : Not classified |
| methyl acetate (79-20-9) | |
| LOAEC (inhalation, rat, vapor, 90 days) | 2000 mg/l |
| NOAEC (inhalation, rat, vapor, 90 days) | 1057 mg/m ³ |
| cyclohexanone (108-94-1) | |
| NOAEL (oral, rat, 90 days) | 143 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| Symptoms/effects | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| methyl acetate (79-20-9) | |
|---|--|
| LC50 - Fish [1] | 250 – 350 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 1026.7 mg/l Test organisms (species): Daphnia magna |
| ethyl methyl ketone (78-93-3) | |
| LC50 - Fish [1] | 2993 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 308 mg/l Test organisms (species): Daphnia magna |
| ErC50 algae | 1972 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate) |
| cyclohexanone (108-94-1) | |
| LC50 - Fish [1] | 527 – 732 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |
| ErC50 algae | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP) |
| n-butyl acetate (123-86-4) | |
| LC50 - Fish [1] | 18 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | 44 mg/l Test organisms (species): Daphnia sp. |
| LC50 - Fish [2] | 62 mg/l (Leuciscus idus, static system) |
| ErC50 algae | 397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP) |
| NOEC (chronic) | 23 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic crustacea | 23 mg/l |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | |
| LC50 - Fish [1] | 2.8 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1] | 4 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration) |
| ErC50 algae | > 100 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) |

12.2. Persistence and degradability

| methyl acetate (79-20-9) | |
|--------------------------------------|--|
| Persistence and degradability | Readily biodegradable in water. |
| ethyl methyl ketone (78-93-3) | |
| Persistence and degradability | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| ethyl methyl ketone (78-93-3) | |
|---|---|
| Biochemical oxygen demand (BOD) | 2.03 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2.31 g O ₂ /g substance |
| ThOD | 2.44 g O ₂ /g substance |
| cyclohexanone (108-94-1) | |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.232 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2.605 g O ₂ /g substance |
| ThOD | 2.605 g O ₂ /g substance |
| n-butyl acetate (123-86-4) | |
| Persistence and degradability | Readily biodegradable in water. |
| ThOD | 2.21 g O ₂ /g substance |
| BOD (% of ThOD) | 0.46 |
| 12.3. Bioaccumulative potential | |
| methyl acetate (79-20-9) | |
| BCF - Fish [1] | < 1 (Pisces, Literature study) |
| Partition coefficient n-octanol/water (Log Pow) | 0.18 (Experimental value, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| ethyl methyl ketone (78-93-3) | |
| Partition coefficient n-octanol/water (Log Pow) | 0.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 40 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| cyclohexanone (108-94-1) | |
| Partition coefficient n-octanol/water (Log Pow) | 0.86 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| n-butyl acetate (123-86-4) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) | |
| BCF - Fish [1] | 2658 – 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C) |

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.4. Mobility in soil

methyl acetate (79-20-9)

| | |
|--|--|
| Surface tension | 24 mN/m (20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| Ecology - soil | Highly mobile in soil. |

ethyl methyl ketone (78-93-3)

| | |
|--|--|
| Surface tension | No data available in the literature |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.654 – 1.281 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. Slightly harmful to plants. |

cyclohexanone (108-94-1)

| | |
|--|--|
| Surface tension | No data available in the literature |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.18 (log Koc, SRC PCKOCWIN v1.66, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

n-butyl acetate (123-86-4)

| | |
|--|--|
| Surface tension | 61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. UN number

DOT NA No : UN1950
UN-No. (TDG) : UN1950
UN-No. (IMDG) : 1950
UN-No. (IATA) : 1950

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Aerosols
Proper Shipping Name (TDG) : AEROSOLS
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 2.1
Hazard labels (DOT) : 2.1

TDG

Transport hazard class(es) (TDG) : 2.1
Hazard labels (TDG) : 2.1

IMDG

Transport hazard class(es) (IMDG) : 2.1
Hazard labels (IMDG) : 2.1



IATA

Transport hazard class(es) (IATA) : 2.1
Hazard labels (IATA) : 2.1



14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT
UN-No. (DOT) : UN1950
DOT Special Provisions (49 CFR 172.102) : N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.
DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Packaging Non Bulk (49 CFR 173.xxx) : None
DOT Packaging Bulk (49 CFR 173.xxx) : None
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other : 25 - Protected from sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

TDG

UN-No. (TDG) : UN1950

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| | |
|---|---|
| TDG Special Provisions | : 80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment), 107 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray. |
| Explosive Limit and Limited Quantity Index | : 1 L |
| Excepted quantities (TDG) | : E0 |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 75 L |
| Emergency Response Guide (ERG) Number | : 126 |

IMDG

| | |
|-----------------------------|---|
| Special provision (IMDG) | : 63, 190, 277, 327, 344, 381, 959 |
| Packing instructions (IMDG) | : P207, LP200 |
| Packing provisions (IMDG) | : PP87, L2 |
| EmS-No. (Fire) | : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES |
| EmS-No. (Spillage) | : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE) |
| Stowage category (IMDG) | : None |

IATA

| | |
|--|--------------------|
| PCA Excepted quantities (IATA) | : E0 |
| PCA Limited quantities (IATA) | : Y203 |
| PCA limited quantity max net quantity (IATA) | : 30kgG |
| PCA packing instructions (IATA) | : 203 |
| PCA max net quantity (IATA) | : 75kg |
| CAO packing instructions (IATA) | : 203 |
| CAO max net quantity (IATA) | : 150kg |
| Special provision (IATA) | : A145, A167, A802 |
| ERG code (IATA) | : 10L |

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

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|---------------------|----------|---------|-------------------|-------|
| methyl acetate | 79-20-9 | Present | Active | |
| ethyl methyl ketone | 78-93-3 | Present | Active | XU |
| cyclohexanone | 108-94-1 | Present | Active | XU |
| n-butyl acetate | 123-86-4 | Present | Active | XU |

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| ethyl methyl ketone (78-93-3) | |
|--|---------|
| Listed on EPA Hazardous Air Pollutant (HAPS) | |
| CERCLA RQ | 5000 lb |

| cyclohexanone (108-94-1) | |
|--------------------------|---------|
| CERCLA RQ | 5000 lb |

| n-butyl acetate (123-86-4) | |
|----------------------------|---------|
| CERCLA RQ | 5000 lb |

15.2. International regulations

CANADA

| methyl acetate (79-20-9) | |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) | |

| ethyl methyl ketone (78-93-3) | |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) | |

| cyclohexanone (108-94-1) | |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) | |

| n-butyl acetate (123-86-4) | |
|---|--|
| Listed on the Canadian DSL (Domestic Substances List) | |


EU-Regulations

No additional information available

National regulations

| n-butyl acetate (123-86-4) | |
|--|--|
| Listed on INSQ (Mexican National Inventory of Chemical Substances) | |

15.3. US State regulations

 **WARNING:** This product can expose you to ethylbenzene, which is known to the State of California to cause cancer, and toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Component | State or local regulations |
|-------------------------|--|
| methyl acetate(79-20-9) | U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List |

UP4902 RAPTOR 1K Touch Up Paint Universal White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Component | State or local regulations |
|------------------------------|---|
| ethyl methyl ketone(78-93-3) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List |
| n-butyl acetate(123-86-4) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List |
| cyclohexanone(108-94-1) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

For professional use only.

The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied warranty of fitness for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL's recommendations for use, may substantially alter the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.