



DRIVING SURFACE PERFECTION

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet RTUAL-US-SDS

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

Issue date: 09/02/2020

Revision date: 12/16/2020

Supersedes: 12/16/2020

Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Trade name : RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL
 UP Number : UP4876

1.2. Recommended use and restrictions on use

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

1.3. Supplier

U-POL US Inc
 108 Commerce Way
 Easton, PA 18040 - 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 Liquefied gas | Contains gas under pressure; may explode if heated |
| Skin corrosion/irritation Category 2 | Causes skin irritation |
| Serious eye damage/eye irritation Category 2 | Causes serious eye irritation |
| Carcinogenicity Category 2 | Suspected of causing cancer |
| Specific target organ toxicity — Single exposure, Category 3, Narcosis | May cause drowsiness or dizziness |
| Specific target organ toxicity (repeated exposure) Category 2 | May cause damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation) |

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
 Causes skin irritation
 Causes serious eye irritation
 May cause drowsiness or dizziness
 Suspected of causing cancer
 May cause damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation)

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.
 Do not spray on an open flame or other ignition source.
 Pressurized container: Do not pierce or burn, even after use.
 Do not breathe vapors, spray, fume.
 Wash hands thoroughly after handling.

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

Use only outdoors or in a well-ventilated area.
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.
If exposed or concerned: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
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

2.4. Unknown acute toxicity (GHS US)

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 | 23 – 43 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| reaction mass of ethylbenzene, m-xylene and p-xylene | | 5 – 23 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 |
| hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics | (CAS-No.) 1174921-73-3 | 5 – 23 | Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 |
| kieselguhr, soda ash flux calcined | (CAS-No.) 68855-54-9 | < 5 | STOT RE 2, H373 |
| talc | (CAS-No.) 14807-96-6 | < 5 | Carc. 2, H351 |
| carbon black | (CAS-No.) 1333-86-4 | < 5 | Carc. 2, H351 |

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.
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 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. If eye irritation persists: Get medical advice/attention.
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 : Irritation.
Symptoms/effects after eye contact : Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

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.

Reactivity : Extremely flammable aerosol.

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

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapors, spray, fume. 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

For containment : Contain released product, pump into suitable containers. Collect spillage.

Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe vapors, spray, fume. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures : 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.

Storage temperature : < 25 °C

Special rules on packaging : Keep only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

kieselguhr, soda ash flux calcined (68855-54-9)

Not applicable

reaction mass of ethylbenzene, m-xylene and p-xylene

Not applicable

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

Not applicable

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

| carbon black (1333-86-4) | | |
|---------------------------------|--------------------------------|---|
| ACGIH | Local name | Carbon black |
| ACGIH | ACGIH OEL TWA | 3 mg/m ³ (Inhalable fraction) |
| ACGIH | Remark (ACGIH) | TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| ACGIH | Regulatory reference | ACGIH 2021 |
| OSHA | OSHA PEL (TWA) [1] | 3.5 mg/m ³ |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| methyl acetate (79-20-9) | | |
| ACGIH | Local name | Methyl acetate |
| ACGIH | ACGIH OEL TWA [ppm] | 200 ppm |
| ACGIH | ACGIH OEL STEL [ppm] | 250 ppm |
| ACGIH | Remark (ACGIH) | TLV® Basis: Headache; dizziness; nausea; eye dam (degeneration of ganglion cells in the retina) |
| ACGIH | Regulatory reference | ACGIH 2021 |
| OSHA | OSHA PEL (TWA) [1] | 610 mg/m ³ |
| OSHA | OSHA PEL (TWA) [2] | 200 ppm |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| talc (14807-96-6) | | |
| ACGIH | Local name | Talc |
| ACGIH | ACGIH OEL TWA | 2 mg/m ³ (Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica) |
| ACGIH | ACGIH OEL TWA [ppm] | 0.1 fibers/cm ³ (Containing asbestos fibers. F - Respirable fibers) |
| ACGIH | Remark (ACGIH) | Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen) |
| ACGIH | Regulatory reference | ACGIH 2021 |
| OSHA | OSHA PEL (TWA) [2] | 20 mppcf |
| OSHA | Remark (OSHA) | Table Z-3. CAS No. source: eCFR Table Z-1. |
| OSHA | Regulatory reference (US-OSHA) | OSHA Annotated Table Z-3 Mineral Dusts |

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

Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

Materials for protective clothing:

Impermeable clothing

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

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 | : Black |
| Odor | : characteristic |
| 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 | : -60 °C |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Extremely flammable aerosol. |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 0.99 g/cm ³ |
| Solubility | : insoluble in water. soluble in most organic solvents. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| 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

| | |
|--------------------------------------|-------------------------------|
| Gas group | : Press. Gas (Liq.) |
| As Packaged Regulatory VOC | : 446 g/l (3.7 lb/gal) |
| As Packaged Actual VOC | : 317 g/l (2.6 lb/gal) |
| As Applied Regulatory VOC | : 446 g/l (3.7 lb/gal) |
| As Applied Actual VOC | : 317 g/l (2.6 lb/gal) |
| Water Content | 0 wt% |
| Exempt Compounds by weight | : 27 wt% methyl acetate |
| Volatiles | : 59.3 wt% |
| Percent Solids | : 40.67 wt% |
| Percent Solids | : 19.83 vol % |
| Maximum Incremental Reactivity (MIR) | : 0.82 |
| MIR EPA Aerosol Category | : Auto Body Primer - ABP 1.55 |

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

MIR CARB Aerosol Category : Auto Body Primer - Specialty Coatings (A) - ABP 0.95

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.

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

| kieselguhr, soda ash flux calcined (68855-54-9) | |
|--|---|
| LD50 oral rat | > 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LC50 Inhalation - Rat | > 2.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |
| reaction mass of ethylbenzene, m-xylene and p-xylene | |
| LD50 oral rat | 3523 mg/kg (EU Method B.1 (Acute Toxicity (Oral)), rat, male) |
| LD50 dermal rabbit | 12126 mg/kg body weight Animal: rabbit, Animal sex: male |
| LC50 Inhalation - Rat [ppm] | 6350 ppm/4h (4 h, EU Method B.2 (Acute Toxicity (Inhalation)), rat, male, Inhalation, vapours) |
| ATE US (oral) | 3523 mg/kg body weight |
| ATE US (dermal) | 1100 mg/kg body weight |
| ATE US (gases) | 6350 ppmV/4h |
| ATE US (vapors) | 11 mg/l/4h |
| ATE US (dust, mist) | 1.5 mg/l/4h |
| hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| carbon black (1333-86-4) | |
| LD50 oral rat | > 8000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LC50 Inhalation - Rat | > 4.6 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Experimental value, Inhalation (dust)) |
| 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 |
| talc (14807-96-6) | |
| LD50 oral rat | > 5000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s)) |

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

| talca (14807-96-6) | |
|---------------------------|--|
| LD50 dermal rat | > 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 2.1 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 15 day(s)) |

| | |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Suspected of causing cancer. |

| reaction mass of ethylbenzene, m-xylene and p-xylene | |
|---|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |

| carbon black (1333-86-4) | |
|---------------------------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |

| talca (14807-96-6) | |
|---------------------------|--|
| IARC group | 3 - Not classifiable, 2B - Possibly carcinogenic to humans |

| | |
|-----------------------|--------------------------------------|
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause drowsiness or dizziness. |

| reaction mass of ethylbenzene, m-xylene and p-xylene | |
|---|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |

| hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3) | |
|--|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |

| methyl acetate (79-20-9) | |
|---------------------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |

| | |
|------------------------|--|
| STOT-repeated exposure | : May cause damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation). |
|------------------------|--|

| kieselguhr, soda ash flux calcined (68855-54-9) | |
|--|---|
| NOAEL (oral, rat, 90 days) | 3737.9 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. |

| reaction mass of ethylbenzene, m-xylene and p-xylene | |
|---|--|
| 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) |
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight/day (OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), female) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

| methyl acetate (79-20-9) | |
|---|------------------------|
| LOAEC (inhalation, rat, vapor, 90 days) | 2000 mg/l |
| NOAEC (inhalation, rat, vapor, 90 days) | 1057 mg/m ³ |

| | |
|-------------------------------------|--------------------------------------|
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| Symptoms/effects | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Eye irritation. |

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. |
|-------------------|--|

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

| reaction mass of ethylbenzene, m-xylene and p-xylene | |
|---|---|
| LC50 - Fish [1] | 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia |
| NOEC chronic fish | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |

| hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3) | |
|--|---------------|
| LC50 - Fish [1] | 10 – 100 mg/l |
| NOEC chronic fish | 1 mg/l |

| carbon black (1333-86-4) | |
|---------------------------------|---|
| LC50 - Fish [1] | > 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | > 5600 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| ErC50 algae | > 10000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration) |

| 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 |

| talc (14807-96-6) | |
|--------------------------|--|
| LC50 - Fish [1] | 89581 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR) |

12.2. Persistence and degradability

| kieselguhr, soda ash flux calcined (68855-54-9) | |
|--|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

| carbon black (1333-86-4) | |
|---------------------------------|---|
| Persistence and degradability | Biodegradability in soil: not applicable. Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |

| methyl acetate (79-20-9) | |
|---------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

| talc (14807-96-6) | |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

12.3. Bioaccumulative potential

| kieselguhr, soda ash flux calcined (68855-54-9) | |
|--|---|
| Bioaccumulative potential | No test data of component(s) available. |

| carbon black (1333-86-4) | |
|---------------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |

| 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). |

| talc (14807-96-6) | |
|---|--|
| BCF - Other aquatic organisms [1] | 3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR) |
| Partition coefficient n-octanol/water (Log Pow) | -9.4 (QSAR, KOWWIN, 25 °C) |

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

| talca (14807-96-6) | |
|---------------------------|--|
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

12.4. Mobility in soil

| carbon black (1333-86-4) | |
|---------------------------------|--|
| Surface tension | Not applicable (solid) |
| Ecology - soil | No (test)data on mobility of the substance available. Not toxic to plants. Not toxic to animals. |

| 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. |

| talca (14807-96-6) | |
|---------------------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |

12.5. Other adverse effects

SECTION 13: Disposal considerations

13.1. Disposal methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

- Transport document description (DOT) : UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1
UN-No.(DOT) : UN1950
Proper Shipping Name (DOT) : Aerosols
flammable, (each not exceeding 1 L capacity)
Class (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
Hazard labels (DOT) : 2.1 - Flammable gas



- DOT Packaging Non Bulk (49 CFR 173.xxx) : None
DOT Packaging Bulk (49 CFR 173.xxx) : None
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 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
Other information : No supplementary information available.

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

Transportation of Dangerous Goods

| | |
|---|---|
| Transport document description (TDG) | : UN1950 AEROSOLS (flammable), 2.1 |
| UN-No. (TDG) | : UN1950 |
| Proper Shipping Name (TDG) | : AEROSOLS |
| TDG Primary Hazard Classes | : 2.1 - Class 2.1 - Flammable Gas |
| 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 |
| Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index | : 75 L |

Transport by sea

| | |
|---------------------------------------|-------------------------|
| Transport document description (IMDG) | : UN 1950 AEROSOLS, 2.1 |
| UN-No. (IMDG) | : 1950 |
| Proper Shipping Name (IMDG) | : AEROSOLS |
| Class (IMDG) | : 2 - Gases |

Air transport

| | |
|---------------------------------------|------------------------------------|
| Transport document description (IATA) | : UN 1950 Aerosols, flammable, 2.1 |
| UN-No. (IATA) | : 1950 |
| Proper Shipping Name (IATA) | : Aerosols, flammable |
| Class (IATA) | : 2 - Gases |

SECTION 15: Regulatory information

15.1. US Federal regulations

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.

kieselguhr, soda ash flux calcined (68855-54-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

reaction mass of ethylbenzene, m-xylene and p-xylene

Listed on the United States TSCA (Toxic Substances Control Act) inventory

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

carbon black (1333-86-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

methyl acetate (79-20-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

talc (14807-96-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

Safety Data Sheet

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

kieselguhr, soda ash flux calcined (68855-54-9)

Listed on the Canadian DSL (Domestic Substances List)

reaction mass of ethylbenzene, m-xylene and p-xylene

Listed on the Canadian DSL (Domestic Substances List)

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

Listed on the Canadian DSL (Domestic Substances List)

carbon black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List)

methyl acetate (79-20-9)

Listed on the Canadian DSL (Domestic Substances List)

talc (14807-96-6)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

carbon black (1333-86-4)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

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

| Component | Carcinogenicity | Developmental toxicity | Reproductive toxicity male | Reproductive toxicity female | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|-------------------------|-----------------|------------------------|----------------------------|------------------------------|----------------------------------|-------------------------------------|
| carbon black(1333-86-4) | X | | | | | |

| Component | State or local regulations |
|--|--|
| kieselguhr, soda ash flux calcined(68855-54-9) | U.S. - Pennsylvania - RTK (Right to Know) List |
| talc(14807-96-6) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| 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 |
| carbon black(1333-86-4) | 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. - 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

Revision date : 12/16/2020

RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

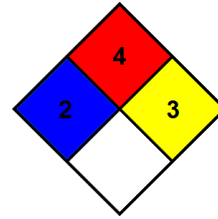
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NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 4 - Materials that rapidly or completely vaporize at atmospheric pressure and normal ambient temperature or that are readily dispersed in air and burn readily.

NFPA reactivity : 3 - Materials that in themselves are capable of detonation or explosive decomposition or explosive reaction but that require a strong initiating source or must be heated under confinement before initiation.



Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 4 Severe Hazard - Flammable gases, or very volatile flammable liquids with flash points below 73 F, and boiling points below 100 F. Materials may ignite spontaneously with air. (Class IA)

Physical : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Personal protection : B
B - Safety glasses, Gloves

Indication of changes:

| Section | Changed item | Change | Comments |
|---------|---------------|--------|----------|
| | Supersedes | Added | |
| | Revision date | Added | |

SDS US GHS (GHS HazCom2012)

For professional use only.

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