# High Strength Fine Metallic Toner

Safety Data Sheet

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

Date of issue: 02/15/2019 Revision date: 12/07/2018 Supersedes: 12/07/2018 Version: 1.0

## SECTION 1: Identification

### 1.1. Identification

Product form : Substance

Substance name : High Strength Fine Metallic Toner

Product code : MMC-220

### 1.2. Recommended use and restrictions on use

No additional information available

### 1.3. Supplier

Color By Design, Inc.
407 W. Main
Haven, KS 67543
T 620-465-2600
info@colorbydesigninc.com

### 1.4. Emergency telephone number

Emergency number : 620-728-4044

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS US classification**

| | |
|---|---|
| Flammable liquids Category 2 | Highly flammable liquid and vapour |
| Skin corrosion/irritation Category 2 | Causes skin irritation |
| Germ cell mutagenicity Category 1B | May cause genetic defects |
| Carcinogenicity Category 1B | May cause cancer |
| Specific target organ toxicity (repeated exposure) Category 1 | Causes damage to organs through prolonged or repeated exposure |

### 2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

Hazard pictograms (GHS US) :

GHS02 GHS07 GHS08

Signal word (GHS US) : Danger

Hazard statements (GHS US) :
Highly flammable liquid and vapour
Causes skin irritation
May cause genetic defects
May cause cancer
Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) :
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
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.
Do not breathe dust, fume, gas, mist, vapors, spray
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Specific treatment (see supplemental first aid instruction on this label)

If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use media other than water to extinguish.
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

Name : High Strength Fine Metallic Toner

| Name | Product identifier | % | GHS US classification |
|---|---|---|---|
| Aromatic Hydrocarbon | (CAS-No.) 1330-20-7 | 36 - 42 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315 |
| solvent naphtha (petroleum), heavy aromatic | (CAS-No.) 64742-94-5 | 2 - 6 | Asp. Tox. 1, H304 |
| naphtha (petroleum), hydrotreated heavy | (CAS-No.) 64742-48-9 | 2 - 6 | Muta. 1B, H340<br>Carc. 1B, H350<br>Asp. Tox. 1, H304 |
| aluminium, powder, uncoated, non pyrophoric, slightly water-reactive | (CAS-No.) 7429-90-5 | 1.2 - 5.1 | Flam. Sol. 1, H228<br>Water-react. 2, H261 |
| 1,2,4-Trimethylbenzene | (CAS-No.) 95-63-6 | < 3.2 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Aquatic Chronic 2, H411 |
| Mineral Spirits (Stoddard Solvent) | (CAS-No.) 8052-41-3 | 0.1 - 1.5 | Flam. Liq. 3, H226<br>Muta. 1B, H340<br>Carc. 1B, H350<br>STOT RE 1, H372<br>Asp. Tox. 1, H304 |
| solvent naphtha (petroleum), light aromatic | (CAS-No.) 64742-95-6 | 6.04 - 1.2 | Flam. Liq. 2, H225<br>Muta. 1B, H340<br>Carc. 1B, H350<br>Asp. Tox. 1, H304 |
| cumene | (CAS-No.) 98-82-8 | < 0.11 | Flam. Liq. 3, H226<br>Carc. 1B, H350<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

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

### 3.2. Mixtures

Not applicable

## 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 : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

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 after skin contact : Irritation.

### 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 : Highly flammable liquid and vapour.

Reactivity : Highly flammable liquid and vapour.

### 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 : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust, fume, gas, mist, vapors, spray.

#### 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. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. 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 : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust, fume, gas, mist, vapors, spray. Avoid contact with skin and eyes.

Hygiene measures : Separate working clothes from town clothes. Launder separately. 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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **aluminium, powder, uncoated, non pyrophoric, slightly water-reactive (7429-90-5)** | | |
|---|---|---|
| ACGIH | ACGIH TWA (mg/m³) | 1 mg/m³ (Respirable fraction) |

| **Mineral Spirits (Stoddard Solvent) (8052-41-3)** | | |
|---|---|---|
| ACGIH | ACGIH TWA (ppm) | 100 ppm |
| ACGIH | Remark (ACGIH) | Eye, skin, & kidney dam; nausea; CNS impair |

| Mineral Spirits (Stoddard Solvent) (8052-41-3) | | |
|---|---|---|
| OSHA | OSHA PEL (TWA) (mg/m³) | 2900 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 500 ppm |

| solvent naphtha (petroleum), light aromatic (64742-95-6) | | |
|---|---|---|
| ACGIH | ACGIH TWA (mg/m³) | 200 mg/m³ |
| ACGIH | ACGIH TWA (ppm) | 200 ppm |
| OSHA | OSHA PEL (TWA) (ppm) | 200 |
| OSHA | OSHA PEL (STEL) (ppm) | 500 |

| cumene (98-82-8) | | |
|---|---|---|
| ACGIH | ACGIH TWA (ppm) | 50 ppm (Cumene; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |
| ACGIH | Remark (ACGIH) | Lung cancer; liver and lung dam; A2 (Suspected Human Carcinogen: Human data are accepted as adequate in quality but are conflicting or insufficient to classify the agent as a confirmed human carcinogen; OR, the agent is carcinogenic in experimental animals at dose(s), by route(s) of exposure, at site(s), of histologic type(s), or by mechanism(s) considered relevant to worker exposure. The A2 is used primarily when there is limited evidence or carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals with relevance to humans) |
| OSHA | OSHA PEL (TWA) (mg/m³) | 245 mg/m³ |
| OSHA | OSHA PEL (TWA) (ppm) | 50 ppm |

| 1,2,4-Trimethylbenzene (95-63-6) | | |
|---|---|---|
| ACGIH | ACGIH TWA (ppm) | 25 ppm (Trimethyl benzene (mixed isomers); USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value) |

| naphtha (petroleum), hydrotreated heavy (64742-48-9) |
|---|
| Not applicable |

| Aromatic Hydrocarbon (1330-20-7) |
|---|
| Not applicable |

| solvent naphtha (petroleum), heavy aromatic (64742-94-5) |
|---|
| Not applicable |

### 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:**

Wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Color | : | Mixture contains one or more component(s) which have the following colour(s):<br>Silvery-white to grey Colourless No data available on colour Colourless to light yellow |
| Odor | : | There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.<br>Mixture contains one or more component(s) which have the following odour(s):<br>Odourless Petroleum-like odour No data available on odour Irritating/pungent odour Aromatic odour Pleasant odour |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | 265 - 399 °F |
| Flash point | : | 69 °F TCC |
| Relative evaporation rate (butyl acetate=1) | : | 1 |
| Flammability (solid, gas) | : | Not applicable. |
| Vapor pressure | : | 110 mm Hg @20 C |
| Relative vapor density at 20 °C | : | No data available |
| Relative density | : | 0.99 |
| Solubility | : | Insoluble in 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

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 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 | : | Not classified |

| solvent naphtha (petroleum), light aromatic (64742-95-6) | |
|---|---|
| LD50 oral rat | 3492 mg/kg |
| LD50 dermal rabbit | > 3160 mg/kg |
| LC50 inhalation rat (ppm) | > 6193 ppm/4h |
| ATE US (oral) | 3492.000 mg/kg body weight |

| cumene (98-82-8) | |
|---|---|
| LD50 oral rat | > 2000 mg/kg (Rat; Other; Literature study; 4000 mg/kg bodyweight; Rat; Other; Inconclusive, insufficient data) |
| LD50 dermal rabbit | 10578 mg/kg (Rabbit; Literature study; Other) |
| LC50 inhalation rat (mg/l) | 40 mg/l/4h (Rat; Literature study) |
| LC50 inhalation rat (ppm) | 8000 ppm/4h (Rat; Literature study) |
| ATE US (dermal) | 10578.000 mg/kg body weight |
| ATE US (gases) | 8000.000 ppmV/4h |
| ATE US (vapors) | 40.000 mg/l/4h |
| ATE US (dust, mist) | 40.000 mg/l/4h |

| 1,2,4-Trimethylbenzene (95-63-6) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature; 6000 mg/kg bodyweight; Rat; Experimental value) |
| LD50 dermal rat | > 3440 mg/kg (Rat; Read-across; OECD 402: Acute Dermal Toxicity) |
| LC50 inhalation rat (mg/l) | 18 mg/l/4h (Rat) |
| ATE US (gases) | 4500.000 ppmV/4h |
| ATE US (vapors) | 18.000 mg/l/4h |
| ATE US (dust, mist) | 1.500 mg/l/4h |

| Aromatic Hydrocarbon (1330-20-7) | |
|---|---|
| LD50 oral rat | > 3608 mg/kg (Rat) |
| ATE US (dermal) | 1100.000 mg/kg body weight |
| ATE US (gases) | 4500.000 ppmV/4h |
| ATE US (vapors) | 11.000 mg/l/4h |
| ATE US (dust, mist) | 1.500 mg/l/4h |

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : May cause cancer.

| cumene (98-82-8) | |
|---|---|
| IARC group | 2B - Possibly carcinogenic to humans |
| National Toxicity Program (NTP) Status | 3 - Reasonably anticipated to be Human Carcinogen |

| Aromatic Hydrocarbon (1330-20-7) | |
|---|---|
| IARC group | 3 - Not classifiable |

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

| solvent naphtha (petroleum), light aromatic (64742-95-6) | |
|---|---|
| Target organ(s) | liver<br>kidneys<br>central nervous system |

| cumene (98-82-8) | |
|---|---|
| Target organ(s) | liver<br>kidneys<br>central nervous system |

Specific target organ toxicity – repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

Symptoms/effects after skin contact : 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.

| cumene (98-82-8) | |
|---|---|
| EC50 Daphnia 1 | 2.14 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |

| 1,2,4-Trimethylbenzene (95-63-6) | |
|---|---|
| LC50 fish 1 | 7.72 mg/l (LC50; 96 h; Pimephales promelas; Flow-through system; Fresh water) |
| EC50 Daphnia 1 | 3.6 mg/l (LC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |
| Threshold limit algae 2 | 2.356 mg/l (EC50; ECOSAR; 96 h; Algae; Fresh water) |

| Aromatic Hydrocarbon (1330-20-7) | |
|---|---|
| LC50 fish 1 | 2.6 - 8.4 mg/l (Salmo gairdneri) |
| EC50 Daphnia 1 | 1.4 - 4.7 mg/l (48 h, Daphnia magna) |

### 12.2. Persistence and degradability

| aluminium, powder, uncoated, non pyrophoric, slightly water-reactive (7429-90-5) | |
|---|---|
| Persistence and degradability | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

| cumene (98-82-8) | |
|---|---|
| Persistence and degradability | Inherently biodegradable. Not readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil. |
| Biochemical oxygen demand (BOD) | 1.28 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 2.42 g $O_2$/g substance |
| ThOD | 3.2 g $O_2$/g substance |
| BOD (% of ThOD) | 0.4 |

| 1,2,4-Trimethylbenzene (95-63-6) | |
|---|---|
| Persistence and degradability | Not readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Low potential for mobility in soil. Photodegradation in the air. |
| Chemical oxygen demand (COD) | 0.44 g $O_2$/g substance |

| Aromatic Hydrocarbon (1330-20-7) | |
|---|---|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.40 - 2.53 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 2.56 - 2.91 g $O_2$/g substance |
| ThOD | 3.1 g $O_2$/g substance |
| BOD (% of ThOD) | 0.44 - 0.816 |

### 12.3. Bioaccumulative potential

| aluminium, powder, uncoated, non pyrophoric, slightly water-reactive (7429-90-5) | |
|---|---|
| Bioaccumulative potential | No bioaccumulation data available. |

| Mineral Spirits (Stoddard Solvent) (8052-41-3) | |
|---|---|
| Log Pow | 3.16 - 7.06 |

| solvent naphtha (petroleum), light aromatic (64742-95-6) | |
|---|---|
| Log Pow | 2.1 - 6 |

| cumene (98-82-8) | |
|---|---|
| BCF fish 1 | 35.5 (BCF) |
| BCF other aquatic organisms 1 | 94.69 (BCF; BCFBAF v3.00) |
| Log Pow | 3.66 (Experimental value; 3.55; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 23 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

| 1,2,4-Trimethylbenzene (95-63-6) | |
|---|---|
| BCF fish 1 | 31 - 275 (BCF; Other; 8 weeks; Cyprinus carpio) |
| Log Pow | 3.63 - 4.09 (Experimental value) |
| Bioaccumulative potential | Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). |

| Aromatic Hydrocarbon (1330-20-7) | |
|---|---|
| BCF fish 1 | 14.1 - 24 (Pisces) |
| BCF fish 2 | 14.1 - 15 (Carassius auratus) |
| Log Pow | 3.15 - 3.3 (Calculated) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

### 12.4. Mobility in soil

| aluminium, powder, uncoated, non pyrophoric, slightly water-reactive (7429-90-5) | |
|---|---|
| Ecology - soil | Adsorbs into the soil. |

| Mineral Spirits (Stoddard Solvent) (8052-41-3) | |
|---|---|
| Log Koc | 2.85 - 6.74 (log Koc) |

| cumene (98-82-8) | |
|---|---|
| Log Koc | Koc,884; Calculated value; log Koc; 2.946; Calculated value |

| 1,2,4-Trimethylbenzene (95-63-6) | |
|---|---|
| Surface tension | 0.029 N/m |
| Log Koc | log Koc,3.04; Calculated value |
| Ecology - soil | May be harmful to plant growth, blooming and fruit formation. |

| Aromatic Hydrocarbon (1330-20-7) | |
|---|---|
| Ecology - soil | May be harmful to plant growth, blooming and fruit formation. |

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

GWPmix comment : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

Additional information : Flammable vapors may accumulate in the container.

## SECTION 14: Transport information

**Department of Transportation (DOT)**

In accordance with DOT

Transport document description : UN1263 Paint, 3, III

UN-No.(DOT) : UN1263

Proper Shipping Name (DOT) : Paint

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : III - Minor Danger

| | | |
|---|---|---|
| Hazard labels (DOT) | : | 3 - Flammable liquid |


| | | |
|---|---|---|
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : | 173 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : | 242 |
| DOT Special Provisions (49 CFR 172.102) | : | B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.<br>B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : | 150 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : | 60 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : | 220 L |
| DOT Vessel Stowage Location | : | A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel. |
| Emergency Response Guide (ERG) Number | : | 128 |
| Other information | : | No supplementary information available. |

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

| | | |
|---|---|---|
| Transport document description (IMDG) | : | UN 1263 PAINT, 3, III |
| UN-No. (IMDG) | : | 1263 |
| Proper Shipping Name (IMDG) | : | PAINT |
| Class (IMDG) | : | 3 - Flammable liquids |
| Packing group (IMDG) | : | III - substances presenting low danger |
| Limited quantities (IMDG) | : | 5 L |

### Air transport

| | | |
|---|---|---|
| Transport document description (IATA) | : | UN 1263 Paint, 3, III |
| UN-No. (IATA) | : | 1263 |
| Proper Shipping Name (IATA) | : | Paint |
| Class (IATA) | : | 3 - Flammable Liquids |
| Packing group (IATA) | : | III - Minor Danger |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| **aluminium, powder, uncoated, non pyrophoric, slightly** water-reactive **(7429-90-5)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 |

| **Mineral Spirits (Stoddard Solvent) (8052-41-3)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **solvent naphtha (petroleum), light aromatic (64742-95-6)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **cumene (98-82-8)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 5000 lb |

| **1,2,4-Trimethylbenzene (95-63-6)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 |

| **naphtha (petroleum), hydrotreated heavy (64742-48-9)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

| **Aromatic Hydrocarbon (1330-20-7)** | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 | |
| CERCLA RQ | 100 lb |

| **solvent naphtha (petroleum), heavy aromatic (64742-94-5)** |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

### 15.2. International regulations

#### CANADA

| **aluminium, powder, uncoated, non pyrophoric, slightly** water-reactive **(7429-90-5)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Mineral Spirits (Stoddard Solvent) (8052-41-3)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **solvent naphtha (petroleum), light aromatic (64742-95-6)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **cumene (98-82-8)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **1,2,4-Trimethylbenzene (95-63-6)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **naphtha (petroleum), hydrotreated heavy (64742-48-9)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **Aromatic Hydrocarbon (1330-20-7)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

| **solvent naphtha (petroleum), heavy aromatic (64742-94-5)** |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

#### EU-Regulations

No additional information available

#### National regulations

| **cumene (98-82-8)** |
|---|
| Listed on IARC (International Agency for Research on Cancer)<br>Listed as carcinogen on NTP (National Toxicology Program) |

### 15.3. US State regulations

| **cumene (98-82-8)** | | | | |
|---|---|---|---|---|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| Yes | No | No | No | |

| **aluminium, powder, uncoated, non pyrophoric, slightly** water-reactive **(7429-90-5)** |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List |

| **Mineral Spirits (Stoddard Solvent) (8052-41-3)** |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List |

| **cumene (98-82-8)** |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List |

| **1,2,4-Trimethylbenzene (95-63-6)** |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List |

| **Aromatic Hydrocarbon (1330-20-7)** |
|---|
| U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List |

## SECTION 16: Other information

Revision date : 12/07/2018

Full text of H-phrases:

| | |
|---|---|
| H225 | Highly flammable liquid and vapour |
| H226 | Flammable liquid and vapour |
| H228 | Flammable solid |
| H261 | In contact with water releases flammable gas |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H340 | May cause genetic defects |
| H350 | May cause cancer |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H411 | Toxic to aquatic life with long lasting effects |

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*