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Version 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS #	R-244226-EU
Product Code	244226 Rich Caramel
	244228 Charcoal
	248636 Oil Rubbed Bronze
	248637 Vintage Copper
	7250830 Black Night
	7251830 Cobalt Blue
	7252830 Racing Green
	7256830 Apple Red
	7270830 Gold Rush
	7271830 Silver
	7272830 Dark Bronze
	7273830 Copper
	7274830 Antique Brass
	7275830 Burnished Brass
	7277830 Matte Nickel

Product Name STOPS RUST - METALLICS AEROSOLS

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Aerosol spray paint

1.3. Details of the Supplier of the Safety Data Sheet

Supplier

Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, IL 60061 USA
www.rustoleum.com
1-847-367-7700

For further information, please contact

Email Address LCivils@rustoleum.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Aspiration toxicity	Category 1
Acute toxicity - Inhalation (Gases)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2
Chronic aquatic toxicity	Category 2
Flammable Aerosols	Category 1

Classification according to 67/548/EEC

Full text of R-phrases: see section 16

Hazard Symbols

T - Toxic

N - Dangerous for the environment

R-code(s)

R10 - Repr. cat. 2; R61 - Xn; R48/20 - Xn; R65 - Xi; R38 - R67 - N; R51/53 - R45 - R46

2.2. Label Elements



Signal Word

Danger

Hazard Statements

H304 - May be fatal if swallowed and enters airways
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H331 - Toxic if inhaled
 H340 - May cause genetic defects
 H350 - May cause cancer
 H360 - May damage fertility or the unborn child
 H373 - May cause damage to organs through prolonged or repeated exposure
 H411 - Toxic to aquatic life with long lasting effects
 H222 - Extremely flammable aerosol
 H229: Pressurised container: May burst if heated

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use
 P308 + P313 - IF exposed or concerned: Get medical advice/attention
 P202 - Do not handle until all safety precautions have been read and understood
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P331 - Do NOT induce vomiting
 P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 P211 - Do not spray on an open flame or other ignition source
 P251 - Do not pierce or burn, even after use

2.3. Other Hazards

General Hazards

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Hydrocarbon Propellant	Present	68476-86-8	<30	F+; R12 Carc. Cat. 1, R45 Muta. Cat. 2, R46	Muta. 1B (H340) Carc. 1A (H350) Flam. Gas 1 (H220) Press. Gas	Not determined
Toluene	Present	108-88-3	<35	F; R11 Xi; R38 Xn; R48/20-65 Repr.Cat.3; R63 R67	Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)	Not determined
Acetone	Present	67-64-1	<30	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	Not determined
Xylene	Present	1330-20-7	<10	R10 Xn; R20/21 Xi; R38	Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226)	Not determined
n-Butyl acetate	Present	123-86-4	<10	R10 R66 R67	STOT SE 3 (H336) Flam. Liq. 3 (H226) (EUH066)	Not determined

Mineral spirits	Present	8032-32-4	<10	Xn; R65 Carc. Cat. 2, R45 Muta. Cat. 2, R46	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	Not determined
Petroleum Distillate	Present	64742-88-7	<5	Xn; R65	Asp. Tox. 1 (H304)	Not determined
Ethylbenzene	Present	100-41-4	<5	F; R11 Xn; R20	Acute Tox. 4 (H332) Flam. Liq. 2 (H225)	Not determined
Butyl benzyl phthalate	Present	85-68-7	<5	N; R50-53 Repr.Cat.2; R61 Repr.Cat.3; R62	Repr. 1B (H360Df) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Repr. 1B (H360)	Not determined
Aluminum foil	Present	7429-90-5	<5	F; R11 R15 F; R15-17	Flam. Sol. 1 (H228) Water-react. 2 (H261)	Not determined
Propylene glycol monomethyl ether acetate	Present	108-65-6	<5	R10	Flam. Liq. 3 (H226)	Not determined
Carbon Black	Present	1333-86-4	<1	-	Not determined	Not determined

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Additional Information

Substances without a classification are included, because they have established occupational exposure limits

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do NOT allow rubbing of eyes or keeping eyes closed. Seek medical advice.
Skin Contact	Wash skin with soap and water. Get medical attention if irritation develops or persists.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If person is having difficulty breathing, give oxygen and call a physician immediately.
Ingestion	IF SWALLOWED: call a poison control center or physician immediately. Do not induce vomiting. Aspiration hazard if swallowed- can enter lungs and cause damage.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms	Causes serious eye irritation. Causes skin irritation. High vapor concentrations are irritating to the respiratory tract. Aspiration hazard: if swallowed can enter lungs and cause damage. May cause Central Nervous System (CNS) depression.
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4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Treat symptomatically.
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Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media

Foam, carbon dioxide, dry powder or water fog.

Unsuitable Extinguishing Media

Water may be ineffective, but can be used to protect firefighter and cool containers.

5.2. Special Hazards Arising from the Substance or Mixture

Product is extremely flammable aerosol. Vapors may travel to source of ignition and flash back. Vapors may form explosive mixture with air. Keep away from heat, sparks or open flame. Perforation of the pressurized container may cause bursting of the can.

Hazardous Combustion Products

Carbon monoxide. Carbon dioxide (CO₂). Acrid smoke and fumes emitted if heated to decomposition.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Evacuate area and fight fire from a safe distance.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Use personal protective equipment as required. Remove all sources of ignition & ventilate area. Use non-sparking tools.

For Emergency Responders

Use personal protection recommended in Section 8.

6.2. Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

6.3. Methods and Material for Containment and Cleaning Up

Methods for Containment

Dike and contain spill with inert material (e.g. sand or earth). DO NOT use combustible materials such as sawdust.

Methods for Clean-Up

Place in appropriate containers for disposal.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Advice on Safe Handling

Ensure adequate ventilation, especially in confined areas. 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. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing vapors or mists. Follow all SDS/label precautions even after container is emptied, because it may retain product residues.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Do not store above 49°C/120°F.

7.3. Specific End Use(s)

Specific Use(s)

Aerosol spray paint.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m ³ Skin	STEL: 100 ppm STEL: 384 mg/m ³ TWA: 50 ppm TWA: 191 mg/m ³ Skin	TWA: 20 ppm TWA: 76.8 mg/m ³ TWA: 1000 mg/m ³ STEL: 100 ppm STEL: 384 mg/m ³ STEL: 1500 mg/m ³	S* STEL: 100 ppm STEL: 384 mg/m ³ TWA: 50 ppm TWA: 192 mg/m ³	TWA: 50 ppm TWA: 190 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 760 mg/m ³ Skin
Acetone 67-64-1	TWA 500 ppm TWA 1210 mg/m ³	STEL: 1500 ppm STEL: 3620 mg/m ³ TWA: 500 ppm TWA: 1210 mg/m ³	TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1000 ppm STEL: 2420 mg/m ³	TWA: 500 ppm TWA: 1210 mg/m ³	TWA: 500 ppm TWA: 1200 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 2400 mg/m ³
Xylene 1330-20-7	S* TWA 50 ppm TWA 221 mg/m ³ STEL 100 ppm STEL 442 mg/m ³	STEL: 100 ppm STEL: 441 mg/m ³ TWA: 50 ppm TWA: 220 mg/m ³ Skin	TWA: 50 ppm TWA: 221 mg/m ³ TWA: 1000 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ STEL: 1500 mg/m ³	S* STEL: 100 ppm STEL: 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³	TWA: 100 ppm TWA: 440 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 880 mg/m ³ Skin
n-Butyl acetate 123-86-4		TWA: 150 ppm TWA: 724 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 940 mg/m ³	STEL: 200 ppm STEL: 965 mg/m ³ TWA: 150 ppm TWA: 724 mg/m ³	TWA: 100 ppm TWA: 480 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 960 mg/m ³ TWA: 62 ppm TWA: 300 mg/m ³

Ethylbenzene 100-41-4	S* TWA 100 ppm TWA 442 mg/m ³ STEL 200 ppm STEL 884 mg/m ³	STEL: 125 ppm STEL: 552 mg/m ³ TWA: 100 ppm TWA: 441 mg/m ³ Skin	TWA: 20 ppm TWA: 88.4 mg/m ³ TWA: 1000 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ STEL: 1500 mg/m ³	S* STEL: 200 ppm STEL: 884 mg/m ³ TWA: 100 ppm TWA: 441 mg/m ³	TWA: 20 ppm TWA: 88 mg/m ³ Ceiling / Peak: 40 ppm Ceiling / Peak: 176 mg/m ³ Skin
Butyl benzyl phthalate 85-68-7		STEL: 15 mg/m ³ TWA: 5 mg/m ³			
Aluminum foil 7429-90-5		STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 4 mg/m ³ TWA: 1.5 mg/m ³
Propylene glycol monomethyl ether acetate 108-65-6	S* TWA 50 ppm TWA 275 mg/m ³ STEL 100 ppm STEL 550 mg/m ³	STEL: 100 ppm STEL: 548 mg/m ³ TWA: 50 ppm TWA: 274 mg/m ³ Skin	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm STEL: 550 mg/m ³	S* STEL: 100 ppm STEL: 550 mg/m ³ TWA: 50 ppm TWA: 275 mg/m ³	TWA: 50 ppm TWA: 270 mg/m ³ Ceiling / Peak: 50 ppm Ceiling / Peak: 270 mg/m ³
Carbon Black 1333-86-4		STEL: 7 mg/m ³ TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³	Skin
Component	Italy	Portugal	Netherlands	Finland	Denmark
Toluene 108-88-3 (<35)	TWA: 50 ppm TWA: 192 mg/m ³ Skin	TWA: 50 ppm	STEL: 384 mg/m ³ TWA: 150 mg/m ³	TWA: 25 ppm TWA: 81 mg/m ³ STEL: 100 ppm STEL: 380 mg/m ³ Skin	TWA: 25 ppm TWA: 94 mg/m ³ Skin
Acetone 67-64-1 (<30)	TWA: 500 ppm TWA: 1210 mg/m ³	STEL: 750 ppm TWA: 500 ppm	STEL: 2420 mg/m ³ TWA: 1210 mg/m ³	TWA: 500 ppm TWA: 1200 mg/m ³ STEL: 630 ppm STEL: 1500 mg/m ³	TWA: 250 ppm TWA: 600 mg/m ³
Xylene 1330-20-7 (<10)	TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Skin	STEL: 150 ppm TWA: 100 ppm	Skin STEL: 442 mg/m ³ TWA: 210 mg/m ³	TWA: 50 ppm TWA: 220 mg/m ³ STEL: 100 ppm STEL: 440 mg/m ³ Skin	TWA: 25 ppm TWA: 109 mg/m ³ Skin
n-Butyl acetate 123-86-4 (<10)		STEL: 200 ppm TWA: 150 ppm		TWA: 150 ppm TWA: 720 mg/m ³ STEL: 200 ppm STEL: 960 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³
Mineral spirits 8032-32-4 (<10)		TWA: 300 ppm			
Ethylbenzene 100-41-4 (<5)	TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Skin	STEL: 125 ppm TWA: 100 ppm	Skin STEL: 430 mg/m ³ TWA: 215 mg/m ³	TWA: 50 ppm TWA: 220 mg/m ³ STEL: 200 ppm STEL: 880 mg/m ³ Skin	TWA: 50 ppm TWA: 217 mg/m ³ Skin
Butyl benzyl phthalate 85-68-7 (<5)					TWA: 3 mg/m ³
Aluminum foil 7429-90-5 (<5)		TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 0.05 mg/m ³	TWA: 1.5 mg/m ³	TWA: 5 mg/m ³ TWA: 2 mg/m ³
Propylene glycol monomethyl ether acetate 108-65-6 (<5)	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm STEL: 550 mg/m ³ Skin		TWA: 550 mg/m ³	TWA: 50 ppm TWA: 270 mg/m ³ STEL: 100 ppm STEL: 550 mg/m ³ Skin	TWA: 50 ppm TWA: 275 mg/m ³ Skin
Carbon Black 1333-86-4 (<1)		TWA: 3.5 mg/m ³		TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Toluene 108-88-3	Skin STEL 100 ppm STEL 380 mg/m ³ TWA: 50 ppm TWA: 190 mg/m ³	Skin STEL: 200 ppm STEL: 760 mg/m ³ TWA: 50 ppm TWA: 190 mg/m ³	STEL: 200 mg/m ³ TWA: 100 mg/m ³ Skin	TWA: 25 ppm TWA: 94 mg/m ³ Skin STEL: 37.5 ppm STEL: 141 mg/m ³	TWA: 50 ppm TWA: 192 mg/m ³ STEL: 100 ppm STEL: 384 mg/m ³ Skin

Acetone 67-64-1	STEL 2000 ppm STEL 4800 mg/m ³ TWA: 500 ppm TWA: 1200 mg/m ³	STEL: 1000 ppm STEL: 2400 mg/m ³ TWA: 500 ppm TWA: 1200 mg/m ³	STEL: 1800 mg/m ³ TWA: 600 mg/m ³	TWA: 125 ppm TWA: 295 mg/m ³ STEL: 156.25 ppm STEL: 368.75 mg/m ³	TWA: 500 ppm TWA: 1210 mg/m ³
Xylene 1330-20-7	Skin STEL 100 ppm STEL 442 mg/m ³ TWA: 50 ppm TWA: 221 mg/m ³	Skin STEL: 200 ppm STEL: 870 mg/m ³ TWA: 100 ppm TWA: 435 mg/m ³	TWA: 100 mg/m ³ Skin	TWA: 25 ppm TWA: 108 mg/m ³ Skin STEL: 37.5 ppm STEL: 135 mg/m ³	TWA: 50 ppm TWA: 221 mg/m ³ STEL: 100 ppm STEL: 442 mg/m ³ Skin
n-Butyl acetate 123-86-4	STEL 100 ppm STEL 480 mg/m ³ TWA: 100 ppm TWA: 480 mg/m ³	STEL: 200 ppm STEL: 960 mg/m ³ TWA: 100 ppm TWA: 480 mg/m ³	STEL: 950 mg/m ³ TWA: 200 mg/m ³		TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³
Ethylbenzene 100-41-4	Skin STEL 200 ppm STEL 880 mg/m ³ TWA: 100 ppm TWA: 440 mg/m ³	Skin STEL: 100 ppm STEL: 435 mg/m ³ TWA: 100 ppm TWA: 435 mg/m ³	STEL: 400 mg/m ³ TWA: 200 mg/m ³ Skin	TWA: 5 ppm TWA: 20 mg/m ³ Skin STEL: 10 ppm STEL: 30 mg/m ³	TWA: 100 ppm TWA: 442 mg/m ³ STEL: 200 ppm STEL: 884 mg/m ³ Skin
Butyl benzyl phthalate 85-68-7	STEL 5 mg/m ³ TWA: 3 mg/m ³		TWA: 5 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 5 mg/m ³
Aluminum foil 7429-90-5	STEL 20 mg/m ³ TWA: 10 mg/m ³	TWA: 3 mg/m ³	TWA: 2.5 mg/m ³ TWA: 1.2 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 1 mg/m ³ TWA: 5 mg/m ³
Propylene glycol monomethyl ether acetate 108-65-6	Skin STEL 100 ppm STEL 550 mg/m ³ TWA: 50 ppm TWA: 275 mg/m ³	STEL: 50 ppm STEL: 275 mg/m ³ TWA: 50 ppm TWA: 275 mg/m ³	STEL: 520 mg/m ³ TWA: 260 mg/m ³	TWA: 50 ppm TWA: 270 mg/m ³ Skin STEL: 75 ppm STEL: 337.5 mg/m ³	TWA: 50 ppm TWA: 275 mg/m ³ STEL: 100 ppm STEL: 550 mg/m ³ Skin
Carbon Black 1333-86-4			TWA: 4.0 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³

8.2. Exposure Controls

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion proof equipment.

Personal Protective Equipment

Eye/Face Protection

Use splash goggles or face shield when contact may occur.

Hand Protection

Gloves impervious to the material are recommended. Nitrile or Neoprene gloves may afford adequate skin protection.

Skin and Body Protection

Wear suitable protective clothing.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	Aerosol	Odour	Solvent like
Appearance	Pigmented aerosol	Odour Threshold	Not determined
Colour	Various		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	-104 °C / -156 °F	Setaflash
Evaporation Rate	Faster than ether	
Flammability (Solid, Gas)	Flammable Aerosol	
Flammability Limits in Air		
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	

Vapour Pressure	Not determined
Vapour Density	Heavier than air
Relative Density	0.734 - 0.758
Water Solubility	Slightly soluble
Solubility(ies)	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidising Properties	Not determined

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of Hazardous Reactions

Hazardous Polymerization

Hazardous polymerization does not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Avoid temperatures above 120°F. Avoid all possible sources of ignition. Unintended contact with water or moisture. May evolve flammable hydrogen gas and generate heat.

10.5. Incompatible Materials

Strong oxidizing agents. Strong acids. Strong alkalis.

10.6. Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂). Smoke may be acrid and fumes irritating.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation.
Inhalation	Toxic if inhaled.
Ingestion	May be fatal if swallowed and enters airways.

The following values are calculated based on chapter 3.1 of the GHS document:

Oral LD50	2,666.00
Units	mg/kg
Dermal LD50	9,885.00
Units	mg/kg
Inhalation	
Gas	767.00
Units	mg/L
Mist	3.80
Units	mg/L
Vapor	31.00
Units	mg/L

Component Information

Toxicological Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Toluene	= 636 mg/kg (Rat)	= 8390 mg/kg (Rabbit) = 12124 mg/kg (Rat)	= 12.5 mg/L (Rat) 4 h > 26700 ppm (Rat) 1 h
Acetone	= 5800 mg/kg (Rat)		
Mineral spirits			= 3400 ppm (Rat) 4 h
n-Butyl acetate	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 391 ppm (Rat) 4 h
Xylene	= 4300 mg/kg (Rat)	> 1700 mg/kg (Rabbit)	= 5000 ppm (Rat) 4 h = 47635 mg/L (Rat) 4 h
Ethylbenzene	= 3500 mg/kg (Rat)	= 15354 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
Petroleum Distillate	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Butyl benzyl phthalate	= 2330 mg/kg (Rat)	= 6700 mg/kg (Rat)	> 6.7 mg/L (Rat) 4 h
Propylene glycol monomethyl ether acetate	= 8532 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	
Carbon Black	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye damage.
Sensitization	Not classified.
Germ cell mutagenicity	May cause genetic defects.
Carcinogenicity	May cause cancer.

Chemical Name	European Union
Hydrocarbon Propellant	Carc. 1B
Mineral spirits	Carc. 1B

Reproductive toxicity	May damage fertility or the unborn child.
STOT - single exposure	Not classified.
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.
Symptoms	Please see section 4 of this SDS for symptoms.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Toluene	433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static	5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50
Acetone		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
Xylene		13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50
n-Butyl acetate	674.7: 72 h Desmodesmus subspicatus mg/L EC50	17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Lepomis macrochirus mg/L LC50 static 62: 96 h Leuciscus idus mg/L LC50 static	72.8: 24 h Daphnia magna mg/L EC50
Mineral spirits	4700: 72 h Pseudokirchneriella subcapitata mg/L EC50		
Petroleum Distillate	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50
Ethylbenzene	4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 32: 96 h Lepomis macrochirus mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static	1.8 - 2.4: 48 h Daphnia magna mg/L EC50

Butyl benzyl phthalate	0.02 - 0.25: 96 h Pseudokirchneriella subcapitata mg/L EC50 0.2 - 28.2: 72 h Pseudokirchneriella subcapitata mg/L EC50	1.0 - 10.0: 96 h Oncorhynchus mykiss mg/L LC50 static 0.82: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.39 - 3.88: 96 h Pimephales promelas mg/L LC50 flow-through 0.78: 96 h Pimephales promelas mg/L LC50 static 1.0 - 10.0: 96 h Lepomis macrochirus mg/L LC50 static	0.9 - 1.1: 48 h Daphnia magna mg/L EC50 Static 0.76: 48 h Daphnia magna mg/L EC50 Flow through 1.28: 48 h Daphnia magna mg/L EC50 semi-static 0.97: 48 h Daphnia magna mg/L EC50
Propylene glycol monomethyl ether acetate		161: 96 h Pimephales promelas mg/L LC50 static	500: 48 h Daphnia magna mg/L EC50
Carbon Black			5600: 24 h Daphnia magna mg/L EC50

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Hydrocarbon Propellant	2.8
Toluene	2.65
Acetone	-0.24
Xylene	3.15
n-Butyl acetate	1.81
Ethylbenzene	3.118
Butyl benzyl phthalate	4.91
Propylene glycol monomethyl ether acetate	0.43

12.4. Mobility in Soil

Mobility

Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Endocrine Disruptor Information

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine Disrupting Potential
Butyl benzyl phthalate	Group I Chemical Group III Chemical	High Exposure Concern	Industrial chemical

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues / Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

Note Based on package size, product may be eligible for limited quantity exception

IMDG

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols
14.3 Hazard Class 2.1
14.4
14.5 Marine Pollutant This material may meet the definition of a marine pollutant
14.6
14.7

RID

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols
14.3 Hazard Class 2.1
14.4
14.5
14.6

ADR

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols
14.3 Hazard Class 2.1
14.4
14.5
14.6

ICAO (air)

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols, flammable
14.3 Hazard Class 2.1
14.4
14.5
14.6

IATA

14.1 UN/ID No UN1950
14.2 Proper Shipping Name Aerosols, flammable
14.3 Hazard Class 2.1
14.4
14.5
14.6

Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

National Regulations

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number	Title
Toluene 108-88-3	RG 4bis, RG 84	
Acetone 67-64-1	RG 84	
Xylene 1330-20-7	RG 4bis, RG 84	
n-Butyl acetate 123-86-4	RG 84	
Ethylbenzene 100-41-4	RG 84	
Aluminum foil 7429-90-5	RG 32 RG 16, RG 16bis	
Propylene glycol monomethyl ether acetate 108-65-6	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

International Inventories

Not determined.

TSCA -
EINECS/ELINCS -
DSL/NDSL -
PICCS -
ENCS -
IECSC -
AICS -
KECL -

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R11 - Highly flammable
R67 - Vapors may cause drowsiness and dizziness
R63 - Possible risk of harm to the unborn child
R38 - Irritating to skin
R66 - Repeated exposure may cause skin dryness or cracking
R36 - Irritating to eyes
R10 - Flammable
R45 - May cause cancer
R46 - May cause heritable genetic damage
R20 - Harmful by inhalation
R17 - Spontaneously flammable in air
R15 - Contact with water liberates extremely flammable gases
R61 - May cause harm to the unborn child
R62 - Possible risk of impaired fertility
R65 - Also harmful: may cause lung damage if swallowed
R12 - Extremely flammable
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation
R20/21 - Harmful by inhalation and in contact with skin
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R48/20 - Also harmful: danger of serious damage to health by prolonged exposure through inhalation
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 and 3

H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H340 - May cause genetic defects
H360 - May damage fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects
H222 - Extremely flammable aerosol
H229: Pressurised container: May burst if heated
H350 - May cause cancer
H220 - Extremely flammable gas
H361d - Suspected of damaging the unborn child
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapor
EUH066 - Repeated exposure may cause skin dryness or cracking
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H226 - Flammable liquid and vapor
H360Df - May damage the unborn child. Suspected of damaging fertility
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H228 - Flammable solid
H261 - In contact with water releases flammable gases

Classification Procedure

Calculation method

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Revision Date: 12-Jun-2014

Revision Note: New format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

Disclaimer

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End of Safety Data Sheet