SAFETY DATA SHEET

1. Identification

Product identifier Flagstone Carpet Dye

Other means of identification

Product Code 121533-6 Recommended use Carpet Dye None known. Recommended restrictions

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Malco Products, Inc. Company name **Address** 361 Fairview Ave Barberton, OH 44203

United States

Telephone Phone 800-253-2526

> 330-753-2025 Fax

Website www.malcopro.com E-mail msdsinfo@malcopro.com **Contact person Technical Department**

1-800-424-9300 Phone **Emergency phone number**

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1

Reproductive toxicity

Gases under pressure Liquefied gas Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Germ cell mutagenicity Category 1B Carcinogenicity Category 1A

Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated

exposure

Hazardous to the aquatic environment, acute Category 2

hazard

Hazardous to the aquatic environment,

long-term hazard

Category 3

OSHA defined hazards Not classified.

Label elements

Environmental hazards

Health hazards



Signal word Danger

Hazard statement Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin

irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Harmful to aquatic life with long

Category 1

Category 1

lasting effects.

Material name: Flagstone Carpet Dye 121533-6 Version #: 01 Issue date: 01-20-2016

Precautionary statement

Prevention 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. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

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. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated

clothing and wash before reuse.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from

sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures

exceeding 50°C/122°F.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information 36.31% of the mixture consists of component(s) of unknown long-term hazards to the aquatic

environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Acetone (propan-2-one; Propanone)		67-64-1	40 - < 50
N-butane		106-97-8	10 - < 20
Propane		74-98-6	10 - < 20
Toluene		108-88-3	10 - < 20
Methyl ethyl ketone		78-93-3	1 - < 3
Titanium Dioxide		13463-67-7	1 - < 3
Xylene		1330-20-7	1 - < 3
1-Methyl-2-pyrrolidone		872-50-4	< 1
Benzyl Butyl Phthalate		85-68-7	< 1
Ethylbenzene		100-41-4	< 1

^{*}Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER or doctor/physician if you feel unwell.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

present and easy to do. Continue finsing. Get medical attention in intation develops and persists.

Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or

poison control center. Rinse mouth.

Most important

symptoms/effects, acute and

delayed

Ingestion

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Material name: Flagstone Carpet Dye

5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing

Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled

Specific methods

media

with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. Move

General fire hazards

containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Do not re-use empty containers. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Stored containers should be periodically checked for general condition and leakage. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Acetone (propan-2-one; Propanone) (CAS 67-64-1)	PEL	2400 mg/m3	
, , , ,		1000 ppm	
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3	
		100 ppm	
Methyl ethyl ketone (CAS 78-93-3)	PEL	590 mg/m3	
		200 ppm	
Propane (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
Titanium Dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
Xylene (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	
US. OSHA Table Z-2 (29 CFR 1910.	1000)		
Components	Туре	Value	
Toluene (CAS 108-88-3)	Ceiling	300 ppm	
,	TWA	200 ppm	
US. ACGIH Threshold Limit Values			
Components	Туре	Value	
Acetone (propan-2-one; Propanone) (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Methyl ethyl ketone (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
N-butane (CAS 106-97-8)	STEL	1000 ppm	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Toluene (CAS 108-88-3)	TWA	20 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	
US. NIOSH: Pocket Guide to Chem	ical Hazards		
Components	Туре	Value	
Acetone (propan-2-one; Propanone) (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
Ethylbenzene (CAS	STEL	545 mg/m3	
100-41-4)	- · 	-	
		125 ppm	
	TWA	435 mg/m3	
		100 ppm	
Methyl ethyl ketone (CAS 78-93-3)	STEL	885 mg/m3	

SDS US

US. NIOSH: Pocket Guide to Che	mical Hazards		
Components	Туре	Value	
		300 ppm	
	TWA	590 mg/m3	
		200 ppm	
N-butane (CAS 106-97-8)	TWA	1900 mg/m3	
		800 ppm	
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	
Toluene (CAS 108-88-3)	STEL	560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
		100 ppm	
US. Workplace Environmental Ex	posure Level (WEEL) Guides		
Components	Type	Value	
1-Methyl-2-pyrrolidone (CAS 872-50-4)	TWA	40 mg/m3	
,		10 ppm	

Biological limit values

ACGIH Biological Exposu Components	ure Indices Value	Determinant	Specimen	Sampling Time	
1-Methyl-2-pyrrolidone (CAS 872-50-4)	100 mg/l	5-Hydroxy-N-m ethyl-2-pyrrolid one	Urine	*	
Acetone (propan-2-one; Propanone) (CAS 67-64-1)	25 mg/l	Acetone	Urine	*	
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*	
Methyl ethyl ketone (CAS 78-93-3)	2 mg/l	MEK	Urine	*	
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*	
	0.03 mg/l	Toluene	Urine	*	
	0.02 mg/l	Toluene	Blood	*	
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*	

^{* -} For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Toluene (CAS 108-88-3) Skin designation applies.

US WEEL Guides: Skin designation

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Can be absorbed through the skin.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Aerosol. **Appearance**

Physical state Liquid.

Form Aerosol. Liquefied gas.

Color Not available. Odor Not available. **Odor threshold** Not available. Not available.

-305.68 °F (-187.6 °C) estimated / -67.43 °F (-55.24 °C) estimated Melting point/freezing point

Initial boiling point and boiling

range

-43.78 °F (-42.1 °C) estimated

-156.0 °F (-104.4 °C) estimated Flash point

Evaporation rate Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

1.3 % estimated

Flammability limit - upper

12.8 % estimated

Not available. Explosive limit - lower (%) Explosive limit - upper (%) Not available.

Vapor pressure 2289.75 hPa estimated

Not available. Vapor density Relative density Not available.

Solubility(ies)

Not available. Solubility (water) Not available. Partition coefficient

(n-octanol/water)

Auto-ignition temperature 550 °F (287.78 °C) estimated

Not available. **Decomposition temperature Viscosity** Not available.

Other information

6.06 lbs/gal Density **Explosive properties** Not explosive.

Flammability class Flammable IA estimated Heat of combustion 30.19 kJ/g estimated Heat of combustion (NFPA 31.69 kJ/g estimated

30B)

Oxidizing properties Not oxidizing. Percent volatile 91.09 % estimated

Specific gravity 0.73

VOC (Weight %) 2.93 lb/gal Material estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions. Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Conditions to avoid

Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong acids. Acids. Strong oxidizing agents. Nitrates. Halogens. Fluorine. Chlorine.

Hazardous decomposition

products

No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation May cause damage to organs through prolonged or repeated exposure by inhalation. May cause

drowsiness and dizziness. Headache. Nausea, vomiting.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May

cause redness and pain.

Information on toxicological effects

Acute toxicity Narcotic effects.

Components Species Test Results

1-Methyl-2-pyrrolidone (CAS 872-50-4)

<u>Acute</u>

Dermal

LD50 Rabbit 8000 mg/kg

Oral

LD50 Mouse 5130 mg/kg

Rat 3914 mg/kg 4.2 ml/kg

Acetone (propan-2-one; Propanone) (CAS 67-64-1)

<u>Acute</u>

Dermal

LD50 Rabbit 20000 mg/kg

20 ml/kg

Inhalation

LC50 Rat 76 mg/l, 4 Hours

50.1 mg/l, 8 Hours

Oral

LD50 Mouse 3000 mg/kg

 Rabbit
 5340 mg/kg

 Rat
 5800 mg/kg

Benzyl Butyl Phthalate (CAS 85-68-7)

Acute

Dermal

LD50 Mouse 6700 mg/kg

Rat 6700 mg/kg

Oral

LD50 Rat 13500 mg/kg

Ethylbenzene (CAS 100-41-4)

<u>Acute</u>

Dermal

LD50 Rabbit 17800 mg/kg

Material name: Flagstone Carpet Dye

121533-6 Version #: 01 Issue date: 01-20-2016

SDS US

Components	Species	Test Results
Oral	Dot	2500
LD50	Rat	3500 mg/kg
Methyl ethyl ketone (CAS 78-93-3)		
<u>Acute</u> Dermal		
LD50	Rabbit	> 8000 mg/kg
Inhalation	rabbit	2 0000 mg/kg
LC50	Mouse	11000 ppm, 45 Minutes
	Rat	11700 ppm, 4 Hours
Oral	Tital	Triod ppin, Triodio
LD50	Mouse	670 mg/kg
	Rat	2300 - 3500 mg/kg
N-butane (CAS 106-97-8)	Tital	2000 0000 mg/kg
Acute		
Inhalation		
LC50	Mouse	680 mg/l, 2 Hours
	Rat	658 mg/l, 4 Hours
Propane (CAS 74-98-6)		
Acute		
Inhalation		
LC50	Rat	> 1442.847 mg/l, 15 Minutes
Toluene (CAS 108-88-3)		
<u>Acute</u>		
Dermal		40404
LD50	Rabbit	12124 mg/kg
		14.1 ml/kg
Inhalation		5000
LC50	Mouse	5320 ppm, 8 Hours
		400 ppm, 24 Hours
	Rat	26700 ppm, 1 Hours
		12200 ppm, 2 Hours
		8000 ppm, 4 Hours
Oral		
LD50	Rat	2.6 g/kg
Xylene (CAS 1330-20-7)		
Acute		
Dermal LD50	Rabbit	> 42 allea
	Rabbit	> 43 g/kg
Inhalation LC50	Mouse	3907 mg/l, 6 Hours
2000	Rat	6350 mg/l, 4 Hours
Oral	rxat	0000 mg/i, 4 mouts
Oral LD50	Mouse	1590 mg/kg
2000	Rat	
	nai	3523 - 8600 mg/kg

^{*} Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye

Causes serious eye irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity May cause genetic defects.

May cause cancer. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzyl Butyl Phthalate (CAS 85-68-7) 3 Not classifiable as to carcinogenicity to humans.

Ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans. Titanium Dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans. 3 Not classifiable as to carcinogenicity to humans. Xylene (CAS 1330-20-7)

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not available.

Components in this product have been shown to cause birth defects and reproductive disorders in Reproductive toxicity

laboratory animals. May damage fertility or the unborn child.

Specific target organ toxicity -

single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity -

repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not an aspiration hazard.

Chronic effects Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be

harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Toxic to aquatic life. Harmful to aquatic life with long lasting effects. **Ecotoxicity**

Components		Species	Test Results
Acetone (propan-2-one	e; Propanone) (CAS	S 67-64-1)	
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Benzyl Butyl Phthalate	e (CAS 85-68-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 0.96 mg/l, 48 hours
Fish	LC50	Shiner perch (Cymatogaster aggregata)	0.47 - 0.56 mg/l, 96 hours
Ethylbenzene (CAS 10	00-41-4)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 - 11 mg/l, 96 hours
Methyl ethyl ketone (C	AS 78-93-3)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	4025 - 6440 mg/l, 48 hours
Fish	LC50	Sheepshead minnow (Cyprinodon variegatus)	> 400 mg/l, 96 hours
Titanium Dioxide (CAS	3 13463-67-7)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus)	> 1000 mg/l, 96 hours
Toluene (CAS 108-88-	-3)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	5.46 - 9.83 mg/l, 48 hours

 Components
 Species
 Test Results

 Fish
 LC50
 Coho salmon,silver salmon (Oncorhynchus kisutch)
 8.11 mg/l, 96 hours

Xylene (CAS 1330-20-7)

Aquatic

Fish LC50 Bluegill (Lepomis macrochirus) 7.711 - 9.591 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

1-Methyl-2-pyrrolidone	-0.54
Acetone (propan-2-one; Propanone)	-0.24
Benzyl Butyl Phthalate	4.91
Ethylbenzene	3.15
Methyl ethyl ketone	0.29
N-butane	2.89
Propane	2.36
Toluene	2.73
Xylene	3.12 - 3.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

.2

13. Disposal considerations

Disposal instructionsCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international

regulations.

Local disposal regulationsDispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal. Do not re-use empty containers.

14. Transport information

DOT

UN number UN1950 UN proper shipping name AEROSOLS

Transport hazard class(es)

Class 2.1 Subsidiary risk -

Packing group Not applicable.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions 63,190,277,327

IATA

UN number UN1950 UN proper shipping name AEROSOLS

Transport hazard class(es)

Class 2.1 Subsidiary risk -

Packing group Not applicable.

Environmental hazards No.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

^{*} Estimates for product may be based on additional component data not shown.

Other information

Passenger and cargo

aircraft

Forbidden.

Cargo aircraft only

Forbidden.

IMDG

UN number UN1950 **AEROSOLS** UN proper shipping name

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group Not applicable.

Environmental hazards

Marine pollutant No.

Not available. **EmS**

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Not established.

DOT



IATA; IMDG



General information

Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern

Benzyl Butyl Phthalate (CAS 85-68-7) Phthalates Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)

Acetone (propan-2-one; Propanone) (CAS 67-64-1) Listed. Benzyl Butyl Phthalate (CAS 85-68-7) Listed. Ethylbenzene (CAS 100-41-4) Listed. Methyl ethyl ketone (CAS 78-93-3) Listed. Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

Listed.

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
Toluene	108-88-3	10 - < 20	
Xylene	1330-20-7	1 - < 3	
1-Methyl-2-pyrrolidone	872-50-4	< 1	
Ethylbenzene	100-41-4	< 1	

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethylbenzene (CAS 100-41-4) Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

N-butane (CAS 106-97-8) Propane (CAS 74-98-6)

Safe Drinking Water Act

Not regulated.

(SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Acetone (propan-2-one; Propanone) (CAS 67-64-1) 6532 Methyl ethyl ketone (CAS 78-93-3) 6714 Toluene (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (propan-2-one; Propanone) (CAS 67-64-1) 35 %WV Methyl ethyl ketone (CAS 78-93-3) 35 %WV Toluene (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Acetone (propan-2-one; Propanone) (CAS 67-64-1) 6532 Methyl ethyl ketone (CAS 78-93-3) 6714 Toluene (CAS 108-88-3) 594

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Acetone (propan-2-one; Propanone) (CAS 67-64-1)

Benzyl Butyl Phthalate (CAS 85-68-7) Ethylbenzene (CAS 100-41-4)

Methyl ethyl ketone (CAS 78-93-3)

N-butane (CAS 106-97-8)

Titanium Dioxide (CAS 13463-67-7)

Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

Material name: Flagstone Carpet Dye

US. Massachusetts RTK - Substance List

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Acetone (propan-2-one; Propanone) (CAS 67-64-1)

Benzyl Butyl Phthalate (CAS 85-68-7)

Ethylbenzene (CAS 100-41-4)

Methyl ethyl ketone (CAS 78-93-3)

N-butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Titanium Dioxide (CAS 13463-67-7)

Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

US. New Jersey Worker and Community Right-to-Know Act

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Acetone (propan-2-one; Propanone) (CAS 67-64-1)

Benzyl Butyl Phthalate (CAS 85-68-7)

Ethylbenzene (CAS 100-41-4)

Methyl ethyl ketone (CAS 78-93-3)

N-butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Titanium Dioxide (CAS 13463-67-7)

Toluene (CAS 108-88-3) Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Acetone (propan-2-one; Propanone) (CAS 67-64-1)

Benzyl Butyl Phthalate (CAS 85-68-7)

Ethylbenzene (CAS 100-41-4)

Methyl ethyl ketone (CAS 78-93-3)

N-butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Titanium Dioxide (CAS 13463-67-7)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

US. Rhode Island RTK

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Acetone (propan-2-one; Propanone) (CAS 67-64-1)

Benzyl Butyl Phthalate (CAS 85-68-7)

Ethylbenzene (CAS 100-41-4)

Methyl ethyl ketone (CAS 78-93-3)

N-butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Toluene (CAS 108-88-3)

Xylene (CAS 1330-20-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004
Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011

US - California Proposition 65 - CRT: Listed date/Developmental toxin

1-Methyl-2-pyrrolidone (CAS 872-50-4) Listed: June 15, 2001
Benzyl Butyl Phthalate (CAS 85-68-7) Listed: December 2, 2005
Toluene (CAS 108-88-3) Listed: January 1, 1991

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes

Country(s) or region Inventory name On inventory (yes/no)* Europe European List of Notified Chemical Substances (ELINCS) Japan Inventory of Existing and New Chemical Substances (ENCS) Yes Korea Existing Chemicals List (ECL) Yes New Zealand New Zealand Inventory Yes **Philippines** Philippine Inventory of Chemicals and Chemical Substances Yes (PICCS)

Toxic Substances Control Act (TSCA) Inventory *A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information, including date of preparation or last revision

01-20-2016 Issue date

Version # 01

Disclaimer

United States & Puerto Rico

Malco Automotive cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

121533-6 Version #: 01 Issue date: 01-20-2016

Yes

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).