

SECTION 1: Identification**1.1. Identification**

Product form : Mixture
Product name : DIY Black Trim Restore (Trim and Restore)
Product code : DIY_1

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Diy Detail LLC
1461 S 13th st
Omaha NE 68132
Info@diydetail.com

1.4. Emergency telephone number

Emergency number : +1-352-323-3500 Infotrac and the account number is 114888

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS US classification**

Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage
Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Reproductive toxicity Category 2	H361	Suspected of damaging fertility or the unborn child
Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements**GHS US labeling**

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a poison center or doctor.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - 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)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
4-chloro- α,α,α -trifluorotoluene	CAS-No.: 98-56-6	25 – 50	Flam. Liq. 3, H226 Skin Sens. 1B, H317 Repr. 2, H361
solvent naphtha (petroleum), heavy aromatic	CAS-No.: 64742-94-5	5 – 10	Acute Tox. 3 (Inhalation:dust,mist), H331 STOT RE 2, H373 Asp. Tox. 1, H304
octamethylcyclotetrasiloxane; [D4]	CAS-No.: 556-67-2	6.083 – 6.086	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Repr. 2, H361
3-aminopropyltrimethoxysilane	CAS-No.: 13822-56-5	0.789 – 2.366	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373
N-[3-(trimethoxysilyl)propyl]butylamine	CAS-No.: 31024-56-3	1.964 – 2.068	Skin Irrit. 2, H315 Eye Dam. 1, H318
(+)-limonene	CAS-No.: 5989-27-5	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
n-butyl acetate	CAS-No.: 123-86-4	1.088 – 1.523	Flam. Liq. 3, H226 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT SE 3, H336
trimethoxyvinylsilane	CAS-No.: 2768-02-7	1 – 5	Flam. Liq. 3, H226 Skin Sens. 1B, H317 STOT RE 2, H373

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

Name	Product identifier	%	GHS US classification
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane	CAS-No.: 17557-23-2	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1, H317
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	CAS-No.: 41556-26-7	0.5 – 1	Flam. Liq. 4, H227 Skin Sens. 1, H317

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 or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: None under normal conditions.

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.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapors/spray. 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".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
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

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Store locked up.
Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

n-butyl acetate (123-86-4)

USA - ACGIH - Occupational Exposure Limits

Local name	n-Butyl acetate
ACGIH OEL TWA	50 ppm
ACGIH OEL STEL	150 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2023

USA - OSHA - Occupational Exposure Limits

Local name	n-Butyl-acetate
OSHA PEL TWA	710 mg/m³ 150 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



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): Colourless to light yellow Colourless Colourless to yellow Light yellow to colourless White Light yellow

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Mild odour Alcohol odour Amine-like odour Rotten egg smell Aromatic odour Lemon odour Pleasant odour Petroleum-like odour Sweet odour Fruity odour Solvent-like odour Ammonia odour Characteristic odour Commercial/unpurified substance: irritating/pungent odour Odourless
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

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

None under recommended storage and handling conditions (see section 7).

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.

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

3-aminopropyltrimethoxysilane (13822-56-5)

LD50 oral rat	3030 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	11458 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
ATE US (oral)	3050.19 mg/kg body weight
ATE US (dermal)	11605.1 mg/kg body weight

4-chloro- α,α,α -trifluorotoluene (98-56-6)

LD50 oral rat	5546 mg/kg body weight (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 3300 mg/kg (5 h, Rabbit, Experimental value, Dermal, 7 day(s))
LC50 Inhalation - Rat	> 32.03 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation, 14 day(s))
LC50 Inhalation - Rat (Vapours)	33 mg/l Source: International Uniform Chemical Information Database
ATE US (oral)	5546 mg/kg body weight
ATE US (vapors)	33 mg/l/4h

(+)-limonene (5989-27-5)

LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal, 7 day(s))

trimethoxyvinylsilane (2768-02-7)

LD50 oral rat	6899 – 7012 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	3158 – 3760 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	16.8 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (oral)	6899 mg/kg body weight
ATE US (dermal)	3158 mg/kg body weight
ATE US (vapors)	16.8 mg/l/4h
ATE US (dust, mist)	16.8 mg/l/4h

solvent naphtha (petroleum), heavy aromatic (64742-94-5)

LD50 oral rat	> 5000 mg/kg Source: IUCLID
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other:, Remarks on results: other:

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

solvent naphtha (petroleum), heavy aromatic (64742-94-5)	
LD50 dermal rabbit	> 2000 mg/kg Source: RTECS
LC50 Inhalation - Rat	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other., 95% CL: 0,42 -
LC50 Inhalation - Rat (Dust/Mist)	> 0.59 mg/l Source: RTECS
ATE US (dust, mist)	0.5 mg/l/4h
N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)	
LD50 oral rat	12825 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	15200 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s))
ATE US (oral)	12825 mg/kg body weight
ATE US (dermal)	15200 mg/kg body weight
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
LD50 oral rat	1540 mg/kg
LD50 dermal rat	2400 mg/kg
LC50 Inhalation - Rat	36 mg/l
ATE US (oral)	1540 mg/kg body weight
ATE US (dermal)	2400 mg/kg body weight
ATE US (vapors)	36 mg/l/4h
ATE US (dust, mist)	36 mg/l/4h
n-butyl acetate (123-86-4)	
LD50 oral rat	10760 – 12789 mg/kg body weight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 14112 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	0.74 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))
LC50 Inhalation - Rat (Vapours)	1802 mg/l Source: ECHA
ATE US (oral)	10760 mg/kg body weight
ATE US (vapors)	0.74 mg/l/4h
ATE US (dust, mist)	0.74 mg/l/4h
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
LD50 oral rat	> 2000 mg/kg (Rat, Literature study, Oral)
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane (17557-23-2)	
LD50 oral rat	4500 mg/kg Source: National Library of Medicine
ATE US (oral)	4500 mg/kg body weight
Skin corrosion/irritation	: Not classified

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

3-aminopropyltrimethoxysilane (13822-56-5)	
pH	9 (2 %, 20 °C)
4-chloro-α,α,α-trifluorotoluene (98-56-6)	
pH	No data available in the literature
(+)-limonene (5989-27-5)	
pH	4 (5 %)
trimethoxyvinylsilane (2768-02-7)	
pH	No data available in the literature
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
pH	No data available in the literature
n-butyl acetate (123-86-4)	
pH	6.2 (0.53 %, 20 °C)
Serious eye damage/irritation	: Causes serious eye damage.
3-aminopropyltrimethoxysilane (13822-56-5)	
pH	9 (2 %, 20 °C)
4-chloro-α,α,α-trifluorotoluene (98-56-6)	
pH	No data available in the literature
(+)-limonene (5989-27-5)	
pH	4 (5 %)
trimethoxyvinylsilane (2768-02-7)	
pH	No data available in the literature
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
pH	No data available in the literature
n-butyl acetate (123-86-4)	
pH	6.2 (0.53 %, 20 °C)
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
(+)-limonene (5989-27-5)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
n-butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

3-aminopropyltrimethoxysilane (13822-56-5)	
LOAEL (oral,rat,90 days)	0 – 100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral,rat,90 days)	100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
4-chloro-α,α,α-trifluorotoluene (98-56-6)	
LOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat
NOAEL (oral,rat,90 days)	40 mg/kg body weight Animal: rat, Animal sex: male
trimethoxyvinylsilane (2768-02-7)	
NOAEL (oral,rat,90 days)	62.5 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
solvent naphtha (petroleum), heavy aromatic (64742-94-5)	
LOAEL (oral,rat,90 days)	1250 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
LOAEL (dermal,rat/rabbit,90 days)	200 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
LOAEC (inhalation,rat,vapor,90 days)	4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
NOAEL (oral,rat,90 days)	625 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal,rat/rabbit,90 days)	2000 mg/kg body weight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEC (inhalation,rat,vapor,90 days)	2355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)	
NOAEL (oral,rat,90 days)	≥ 500 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:
n-butyl acetate (123-86-4)	
LOAEL (oral,rat,90 days)	500 mg/kg body weight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
NOAEL (oral,rat,90 days)	125 mg/kg body weight Animal: rat, Guideline: EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
3-aminopropyltrimethoxysilane (13822-56-5)	
Viscosity, kinematic	1.77 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

4-chloro- α,α,α -trifluorotoluene (98-56-6)	
Viscosity, kinematic	No data available in the literature
(+)limonene (5989-27-5)	
Viscosity, kinematic	No data available in the literature
trimethoxyvinylsilane (2768-02-7)	
Viscosity, kinematic	0.7 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'
solvent naphtha (petroleum), heavy aromatic (64742-94-5)	
Viscosity, kinematic	2.235 mm ² /s
N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)	
Viscosity, kinematic	2.8 mm ² /s (20 °C)
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
Viscosity, kinematic	1.6 mm ² /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm ² /s)'
n-butyl acetate (123-86-4)	
Viscosity, kinematic	0.831 mm ² /s (20 °C, ASTM D445: Capillary viscometer)
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: None under normal conditions.

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.

3-aminopropyltrimethoxysilane (13822-56-5)	
LC50 - Fish [1]	> 934 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	331 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	> 1000 mg/l (EU Method C.3, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)
EC50 96h - Algae [1]	161.809 mg/l Source: QSAR
4-chloro- α,α,α -trifluorotoluene (98-56-6)	
LC50 - Fish [1]	3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, Measured concentration)
EC50 - Crustacea [1]	3.68 mg/l Source: International Uniform Chemical Information Database
EC50 72h - Algae [1]	> 0.41 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

4-chloro- α,α,α -trifluorotoluene (98-56-6)	
ErC50 algae	> 0.41 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, <i>Pseudokirchneriella subcapitata</i> , Static system, Fresh water, Experimental value, Measured concentration)
(+) -limonene (5989-27-5)	
LC50 - Fish [1]	720 μ g/l (Equivalent or similar to OECD 203, 96 h, <i>Pimephales promelas</i> , Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	0.307 mg/l (OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test, 48 h, <i>Daphnia magna</i> , Semi-static system, Fresh water, Experimental value, GLP)
LC50 - Fish [2]	702 μ g/l Test organisms (species): <i>Pimephales promelas</i>
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 72h - Algae [1]	0.32 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
EC50 72h - Algae [2]	0.214 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
trimethoxyvinylsilane (2768-02-7)	
LC50 - Fish [1]	191 mg/l (96 h, <i>Oncorhynchus mykiss</i> , Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	169 mg/l (EU Method C.2, 48 h, <i>Daphnia magna</i> , Static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	> 957 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)
ErC50 algae	> 89 mg/l (72 h, <i>Pseudokirchneriella subcapitata</i> , Static system, Fresh water, Experimental value, GLP)
LOEC (chronic)	52.4 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
NOEC (chronic)	28.1 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
solvent naphtha (petroleum), heavy aromatic (64742-94-5)	
LC50 - Fish [1]	45 mg/l Source: IUCLID
EC50 - Crustacea [1]	0.95 mg/l Source: IUCLID
EC50 - Other aquatic organisms [1]	2.9 mg/l Test organisms (species): other:
LC50 - Fish [2]	6.1 mg/l Test organisms (species): <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)
EC50 72h - Algae [1]	2.5 mg/l Source: IUCLID
EC50 72h - Algae [2]	18.9 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
EC50 96h - Algae [1]	11.7 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
EC50 96h - Algae [2]	18.4 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)
N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, <i>Danio rerio</i> , Static system, Fresh water, Read-across, GLP)

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)	
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)
EC50 72h - Algae [1]	> 1 mg/l Source: ECHA
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
LC50 - Fish [1]	> 22 µg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 15 µg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	> 22 µg/l (EPA OTS 797.1050, Pseudokirchneriella subcapitata, Fresh water, Experimental value, Growth rate)
n-butyl acetate (123-86-4)	
LC50 - Fish [1]	18 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	44 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia sp., Static system, Fresh water, Experimental value, Locomotor effect)
EC50 - Other aquatic organisms [1]	32 mg/l Test organisms (species): Artemia salina
EC50 72h - Algae [1]	335 mg/l Source: ECHA
EC50 72h - Algae [2]	246 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
ErC50 algae	397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)
LOEC (chronic)	47.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	23.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
LC50 - Fish [1]	0.97 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	20 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Experimental value)
EC50 96h - Algae [1]	0.017 mg/l Source: Ecological Structure Activity Relationships
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane (17557-23-2)	
LC50 - Fish [1]	1.615 mg/l Source: Ecological Structure Activity Relationships
12.2. Persistence and degradability	
DIY Black Trim Restore (Trim and Restore)	
Persistence and degradability	Not rapidly degradable
3-aminopropyltrimethoxysilane (13822-56-5)	
Persistence and degradability	Not readily biodegradable in water.

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

4-chloro-α,α,α-trifluorotoluene (98-56-6)	
Persistence and degradability	Not readily biodegradable in water.
(+)-limonene (5989-27-5)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance
trimethoxyvinylsilane (2768-02-7)	
Persistence and degradability	Not readily biodegradable in water.
solvent naphtha (petroleum), heavy aromatic (64742-94-5)	
Persistence and degradability	Not readily biodegradable in water.
N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)	
Persistence and degradability	Not readily biodegradable in water.
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
Persistence and degradability	Not readily biodegradable in water.
n-butyl acetate (123-86-4)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.21 g O ₂ /g substance
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
Persistence and degradability	Not readily biodegradable in water.
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane (17557-23-2)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

3-aminopropyltrimethoxysilane (13822-56-5)	
Partition coefficient n-octanol/water (Log Pow)	0.2 (QSAR, KOWWIN, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
4-chloro-α,α,α-trifluorotoluene (98-56-6)	
BCF - Fish [1]	122 – 202 (48 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3.7 (Experimental value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
(+)-limonene (5989-27-5)	
BCF - Fish [1]	864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).
trimethoxyvinylsilane (2768-02-7)	
Partition coefficient n-octanol/water (Log Pow)	1.1 (QSAR, KOWWIN, 20 °C)

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

trimethoxyvinylsilane (2768-02-7)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
solvent naphtha (petroleum), heavy aromatic (64742-94-5)	
Partition coefficient n-octanol/water (Log Pow)	2.9 – 6.1
Bioaccumulative potential	Bioaccumable.
N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)	
Partition coefficient n-octanol/water (Log Pow)	2.2 (QSAR, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
BCF - Fish [1]	12400 l/kg (EPA OTS 797.1520, 28 day(s), Pimephales promelas, Flow-through system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	5.1
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
n-butyl acetate (123-86-4)	
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
Partition coefficient n-octanol/water (Log Pow)	0.37 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane (17557-23-2)	
Partition coefficient n-octanol/water (Log Pow)	0.23 Source: National Institute of Technology and Evaluation
12.4. Mobility in soil	
3-aminopropyltrimethoxysilane (13822-56-5)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	-0.6 (log Koc, QSAR)
Ecology - soil	Highly mobile in soil.
4-chloro-α,α,α-trifluorotoluene (98-56-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.6 – 2.7 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.
(+)-limonene (5989-27-5)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.049 – 3.801 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

(+)-limonene (5989-27-5)	
Ecology - soil	Low potential for mobility in soil.
trimethoxyvinylsilane (2768-02-7)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.8 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for adsorption in soil.
N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)	
Mobility in soil	20.56 Source: EPI SUITE
Ecology - soil	Low potential for adsorption in soil.
octamethylcyclotetrasiloxane; [D4] (556-67-2)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.2 (log Koc, OECD 106: Adsorption/Desorption Using a Batch Equilibrium Method, Experimental value, GLP)
Ecology - soil	Low potential for mobility in soil.
n-butyl acetate (123-86-4)	
Surface tension	61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)	
Ecology - soil	No (test)data on mobility of the substance available.
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane (17557-23-2)	
Mobility in soil	10 Source: Quantitative Structure Activity Relation

12.5. Other adverse effects

No additional information available

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.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

DOT	IMDG	IATA
14.1. UN number		
Not regulated	Not applicable	Not applicable
14.2. Proper Shipping Name		
Not regulated	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not regulated	Not applicable	Not applicable
14.4. Packing group		
Not regulated	Not applicable	Not applicable
14.5. Environmental hazards		
Not regulated	Not applicable	Not applicable
No supplementary information available		

14.6. Special precautions for user

- DOT
Not regulated
- IMDG
Not applicable
- IATA
Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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

Name	CAS-No.	Listing	Commercial status	Flags
3-aminopropyltrimethoxysilane	13822-56-5	Present	Active	
4-chloro- α,α,α -trifluorotoluene	98-56-6	Not present	-	
(+)-limonene	5989-27-5	Present	Active	
trimethoxyvinylsilane	2768-02-7	Present	Active	
solvent naphtha (petroleum), heavy aromatic	64742-94-5	Present	Active	
N-[3-(trimethoxysilyl)propyl]butylamine	31024-56-3	Present	Active	
octamethylcyclotetrasiloxane; [D4]	556-67-2	Present	Active	T
n-butyl acetate	123-86-4	Present	Active	
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	Present	Active	
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane	17557-23-2	Not present	-	

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

n-butyl acetate (123-86-4)

Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ

5000 lb

15.2. International regulations

CANADA

3-aminopropyltrimethoxysilane (13822-56-5)

Listed on the Canadian DSL (Domestic Substances List)

(+)-limonene (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

trimethoxyvinylsilane (2768-02-7)

Listed on the Canadian DSL (Domestic Substances List)

solvent naphtha (petroleum), heavy aromatic (64742-94-5)

Listed on the Canadian DSL (Domestic Substances List)

N-[3-(trimethoxysilyl)propyl]butylamine (31024-56-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

octamethylcyclotetrasiloxane; [D4] (556-67-2)

Listed on the Canadian DSL (Domestic Substances List)

n-butyl acetate (123-86-4)

Listed on the Canadian DSL (Domestic Substances List)

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

(+)-limonene (5989-27-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

solvent naphtha (petroleum), heavy aromatic (64742-94-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

DIY Black Trim Restore (Trim and Restore)

Safety Data Sheet

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

octamethylcyclotetrasiloxane; [D4] (556-67-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

n-butyl acetate (123-86-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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

Full text of H-phrases	
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure

Safety Data Sheet (SDS), USA

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.