



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Show Car Shine
Product Use Description : ESBS-Cleaner and spray wax

Manufacturer or supplier's details

Company : Superior Products Co
Address : 6962 Highway 111
S Roxana, IL 62087
United States of America

Emergency telephone number:

Transport North America: CHEMTREC 800.424.9300

Additional Information: : Responsible Party: Product Safety Group
[E-Mail: sds@nsuperiorproducts.com](mailto:sds@nsuperiorproducts.com)
MSDS Requests: 1-618-254-7400 MSDS
Requests Fax: 1-618-254-7421 Website:
www.superiorproducts.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 4
Acute toxicity (Oral) : Category 4
Acute toxicity (Inhalation) : Category 4
Acute toxicity (Dermal) : Category 4
Skin irritation : Category 2
Eye irritation : Category 2A

GHS Label element

Hazard pictograms



Signal word : Warning



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Hazard statements : H227 Combustible liquid.
H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.
P304 + P340 + P312 IF INHALED: 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.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Potential Health Effects

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Emergency Overview

CAUTION!	
Appearance	liquid
Colour	colourless
Odour	mild, sweet, ester-like, ether-like
Hazard Summary	No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
111-76-2	2-Butoxy ethanol	90 - 100
107-21-1	Ethylene glycol	0.1 - 1

Synonyms : BUTYL GLYCOL

SECTION 4. FIRST AID MEASURES

General advice	: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

In case of skin contact	: If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Carbon dioxide (CO ₂)
Unsuitable extinguishing media	: High volume water jet
Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: Use a water spray to cool fully closed containers.
Further information	: For safety reasons in case of fire, cans should be stored separately in closed containments.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

NFPA Flammable and Combustible Liquids Classification:
Combustible Liquid Class IIIA

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
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Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : No smoking.
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
111-76-2	2-Butoxy ethanol	TWA	20 ppm	ACGIH
		TWA	5 ppm 24 mg/m ³	NIOSH REL
		TWA	50 ppm 240	OSHA Z-1
		TWA	25 ppm 120	OSHA P0
107-21-1	Ethylene glycol	TLV-C	50 ppm	OSHA P0



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

			125 mg/m ³	
		C	100 mg/m ³	ACGIH
		C (Aerosol only)	100 mg/m ³	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-Butoxy ethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : colourless



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Odour	: mild, sweet, ester-like, ether-like
Odour Threshold	: 0.48 ppm
pH	: No data available
Freezing Point (Melting point/freezing point)	: -74.8 - 75 °C (-102.6 - 167 °F)
Boiling Point (Boiling point/boiling range)	: 166 - 173.5 °C (331 - 344.3 °F)
Flash point	: 62 - 70 °C (144 - 158 °F) (1,013 hPa)
Evaporation rate	: 0.153 n-Butyl Acetate
Flammability (solid, gas)	: No data available
Burning rate	: No data available
Upper explosion limit	: 10.6 %(V)
Lower explosion limit	: 1.1 - 1.3 %(V)
Vapour pressure	: 0.599 mmHg @ 20 °C (68 °F) 117 Pa @ 25 °C (77 °F)
Relative vapour density	: 4AIR=1
Relative density	: 0.9005 - 0.904 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	: 7.514 g/cm ³ @ 20 °C (68 °F)
Bulk density	: No data available
Solubility(ies)	
Water solubility	: 900 g/l completely soluble @ 25 °C (77 °F)
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: 0.81 @ 25 °C (77 °F)
Auto-ignition temperature	: 230 - 245 °C1,013 hPa



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Thermal decomposition	: 124.7 °C
Viscosity	
Viscosity, dynamic	: 3.3 - 6.4 mPa.s @ 20 °C (68 °F)
Viscosity, kinematic	: 2.3 - 3.7 mm ² /s @ 20 - 40 °C (68 - 104 °F)
Surface tension	: 65 mN/m

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Vapours may form explosive mixture with air. Stable, however, forms peroxides of unknown stability.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents Acids Bases Amines Ammonia Acid chlorides
Hazardous decomposition products	: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Aldehydes Ketones Organic acids

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	: Acute toxicity estimate : 500 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate : 4500 ppm



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Exposure time: 4 h
Test atmosphere: gas
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 1,100 mg/kg
Method: Calculation method

Components:

111-76-2:

Acute oral toxicity : Acute toxicity estimate : 500 mg/kg
Method: Expert judgement
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : LC50 (rat): 550 ppm
Exposure time: 4 h
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : Acute toxicity estimate : 1,100 mg/kg
Method: Expert judgement
Assessment: The component/mixture is moderately toxic after single contact with skin.

107-21-1:

Acute oral toxicity : LD50 (rat): 2,000 mg/kg
Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : LC50 (rat, male and female): > 2.5 mg/l
Exposure time: 6 h
Test atmosphere: dust/mist
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (mouse, male and female): > 3,500 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Product:

Remarks: May cause skin irritation in susceptible persons.

Components:

111-76-2:

Species: rabbit



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Result: Irritating to skin.

107-21-1:

Species: rabbit
Exposure time: 20 h
Method: In vivo
Result: Not irritating to skin

Serious eye damage/eye irritation

Product:

Remarks: Irritating to eyes.

Components:

111-76-2:

Species: rabbit
Result: Irritating to eyes.

107-21-1:

Species: rabbit
Result: Not irritating to eyes
Exposure time: 24 h
Method: In vivo

Respiratory or skin sensitisation

Components:

111-76-2:

Test Type: Maximization test
Species: guinea pig
Result: Did not cause sensitisation on laboratory animals.

107-21-1:

Test Type: Maximisation Test (GPMT)
Species: guinea pig
Result: Does not cause skin sensitisation.

Germ cell mutagenicity

Components:

111-76-2:

Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay
Test species: Chinese hamster ovary (CHO)
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test
Test species: mouse (male)



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Application Route: Intraperitoneal
Result: negative

Germ cell mutagenicity-
Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

107-21-1:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

: Test Type: Chromosome aberration test in vitro
Test species: Chinese hamster ovary (CHO)
Metabolic activation: with and without metabolic activation
Result: negative
GLP: yes

: Test Type: Mammalian cell gene mutation assay
Test species: Mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo : Test Type: Dominant lethal assay
Test species: rat (male and female)
Application Route: Oral
Exposure time: daily
Dose: 0, 40, 200, 1000 mg/kg
Result: negative

Germ cell mutagenicity-
Assessment : Did not show mutagenic effects in animal experiments.

Carcinogenicity

Components:

111-76-2:

Species: mouse
Application Route: Inhalation
Exposure time: 2 yr
Activity duration: 6 h
Frequency of Treatment: 5 days/week
NOAEL: 125 ppm

Result: Limited evidence of carcinogenic effects with no relevance to humans



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

107-21-1:

Species: mouse, (male and female)
Application Route: Oral
Exposure time: 24 mths
Dose: 0, 40, 200, 1000 mg/kg
Frequency of Treatment: daily
LOAEL: 1,000 mg/kg

Result: Ambiguous

Species: rat, (male and female)
Application Route: Oral
Exposure time: 24 mths
Dose: 0, 40, 200, 1000 mg/kg
Frequency of Treatment: daily
NOAEL: 1,000 mg/kg

Result: did not display carcinogenic properties

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

Reproductive toxicity

Components:

111-76-2:

Effects on fertility : Test Type: Two-generation study
Species: mouse
Application Route: oral
Fertility: NOAEL: 720 mg/kg body weight
Symptoms: Reduced fertility
Result: Reduced fertility at maternally toxic doses

Effects on foetal development : Test Type: Embryo-foetal development
Species: rat
Application Route: Inhalation
Duration of Single Treatment: 10 d
Frequency of Treatment: 6 hr/day
Developmental Toxicity: Lowest observed adverse effect level: 100 ppm
Result: Developmental toxicity occurred at maternal toxicity dose levels

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, and on development, based on animal experiments.



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

107-21-1:

Effects on fertility

: Test Type: Fertility
Species: mouse, male and female
Application Route: Oral
Dose: 0, 500, 1000, 2000 mg/kg/day
General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight
General Toxicity F1: NOAEL: 1,000 mg/kg body weight
Symptoms: Reduced fertility of F1 generation.
Result: Embryotoxic effects and adverse effects on the offspring were detected.
GLP: yes

Test Type: Three-generation study
Species: rat, male and female
Application Route: Oral
Dose: 0, 40, 200, 1000 mg/kg
General Toxicity - Parent: NOAEL: > 1,000 mg/kg body weight
General Toxicity F1: NOAEL: > 1,000 mg/kg body weight
Result: No reproductive effects.

Effects on foetal development

: Species: rabbit
Application Route: Oral
Dose: 0, 100, 500, 1000, 2000 mg/kg
Duration of Single Treatment: 10 d
General Toxicity Maternal: NOAEL: 1,000 mg/kg body weight
Teratogenicity: NOAEL: 2,000 mg/kg body weight
Developmental Toxicity: NOAEL: 2,000 mg/kg body weight
Result: No teratogenic effects.
GLP: yes

Species: rat
Application Route: inhalation (dust/mist/fume)
Dose: 0, 60, 400, 1000 ppm
Duration of Single Treatment: 10 d
Frequency of Treatment: 6 hr/day General
Toxicity Maternal: NOAEC: 400 ppm
Teratogenicity: NOAEC: 1,000 ppm
Developmental Toxicity: NOAEC: 60 ppm
Symptoms: Specific developmental abnormalities.
Result: No teratogenic effects.

Species: mouse
Application Route: inhalation (dust/mist/fume)
Dose: 0, 60, 400, 1000 ppm



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Duration of Single Treatment: 10 d
Frequency of Treatment: 6 hr/day
General Toxicity Maternal: NOAEC: 60 ppm
Teratogenicity: NOAEC: 60 ppm
Developmental Toxicity: NOAEC: 60 ppm
Symptoms: Maternal toxicity, Malformations were observed.
Result: Teratogenic effects.

Reproductive toxicity - Assessment : Experiments have shown reproductive toxicity effects on laboratory animals.
Teratogenic effects indicated in some animal experiments

STOT - single exposure

Product:

No data available

Components:

No data available

Components:

No data available

STOT - repeated exposure

Product:

No data available

Components:

No data available

Components:

107-21-1:

Exposure routes: Oral

Target Organs: Kidney

Assessment: May cause damage to organs through prolonged or repeated exposure., The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Repeated dose toxicity

Components:

111-76-2:

Species: rat

NOAEL: 30



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Application Route: Inhalation
Exposure time: 14 wk
Number of exposures: 6 h/d, 5 d/wk

107-21-1:

Species: rat, male
NOAEL: 150 mg/kg
Application Route: Oral
Exposure time: 12 mths
Number of exposures: daily
Dose: 0, 50, 150, 300, 400 mg/kg bw
Method: OECD Test Guideline 452
Target Organs: Kidney
Symptoms: Kidney disorders

Species: dog, male
NOAEL: 2
Application Route: Dermal
Exposure time: 4 wks
Number of exposures: daily
Dose: 0, 2, 4 ml/kg
Method: OECD Test Guideline 410
GLP: yes
Target Organs: Kidney
Symptoms: Kidney disorders

Repeated dose toxicity - : Harmful if swallowed.
Assessment

Aspiration toxicity

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

111-76-2:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1,474 mg/l
Exposure time: 96 h
Test Type: static test



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

	Method: OECD Test Guideline 203 GLP: no
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 1,800 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata (green algae)): 911 mg/l End point: Biomass Exposure time: 72 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 201 GLP: no
107-21-1:	
Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 72,860 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	: LC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae	: (Pseudokirchneriella subcapitata (Selenastrum capricornutum)): 6,500 - 13,000 mg/l End point: Growth rate Exposure time: 96 h Test Type: static test
Toxicity to bacteria	: Toxicity threshold (Pseudomonas putida): > 10,000 mg/l Exposure time: 16 h Test Type: Static Method: DIN 38412

Persistence and degradability

Components:

111-76-2:

Biodegradability	: aerobic Inoculum: Activated sludge, domestic, adaption not specified
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Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

Result: Readily biodegradable.
Biodegradation: 90.4 %
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: no

107-21-1:

Biodegradability : aerobic
Inoculum: Activated sludge, domestic, adaption not specified
Biodegradation: 90 - 100 %
Exposure time: 10 d
GLP: yes
Remarks: Readily biodegradable

Bioaccumulative potential

Components:

111-76-2:

Partition coefficient: n-octanol/water : log Pow: 0.83

107-21-1:

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 0.60
Exposure time: 61 d

Partition coefficient: n-octanol/water : log Pow: -1.36

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

IATA (International Air Transport Association): Not regulated as a dangerous good

IMDG-Code: Not regulated as a dangerous good

DOT (Department of Transportation): NA1993, Combustible liquid, n.o.s., (2-BUTOXYETHANOL), (), CBL, III

Special Notes: : The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Combustible Liquid, Toxic by inhalation., Moderate skin irritant, Moderate eye irritant, Carcinogen

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ethylene glycol	107-21-1	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

111-76-2	2-Butoxy ethanol	100 %
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Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

107-21-1	Ethylene glycol	0.9999 %
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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

111-76-2	2-Butoxy ethanol	100 %
107-21-1	Ethylene glycol	0.9999 %

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean-Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

US State Regulations

Massachusetts Right To Know

111-76-2	2-Butoxy ethanol	90 - 100 %
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Pennsylvania Right To Know

111-76-2	2-Butoxy ethanol	90 - 100 %
107-21-1	Ethylene glycol	0.1 - 1 %

New Jersey Right To Know

111-76-2	2-Butoxy ethanol	90 - 100 %
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California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

1907/2006 (EU)	:	n (Negative listing) (Not in compliance with the inventory)
Switzerland. New notified substances and declared preparations	:	y (positive listing) (The formulation contains substances listed on the Swiss Inventory)
United States TSCA Inventory	:	y (positive listing) (On TSCA Inventory)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of this product are on the Canadian DSL.)
Australia Inventory of Chemical Substances (AICS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
New Zealand. Inventory of Chemical Substances	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ENCS - Existing and New Chemical Substances Inventory	:	y (positive listing) (On the inventory, or in compliance)



Material Safety Data Sheet

Show Car Shine

Version 1.0

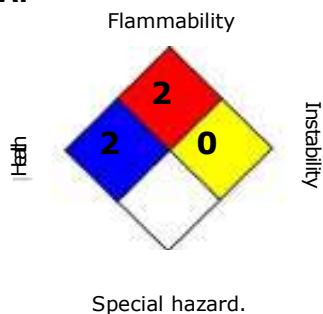
Revision Date: 07/28/2014

		with the inventory)
Japan. ISHL - Inventory of Chemical Substances (METI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC)	:	y (positive listing) (On the inventory, or in compliance with the inventory)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High 4
= Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to



Material Safety Data Sheet

Show Car Shine

Version 1.0

Revision Date: 07/28/2014

confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.

Legacy MSDS: R0000694

Material number:

16065290, 16064781, 16056122, 16062657, 16056118, 16056117, 16061248, 16054520, 16048541, 16047096, 16041978, 16032176, 16023895, 16016635, 16015501, 16013592, 16001400, 788372, 788299, 776865, 775994, 765987, 765863, 726582, 714415, 709916, 707972, 702242, 699239, 691013, 677574, 674238, 670328, 623616, 614620, 604262, 602896, 555430, 554369, 554322, 554285, 554205, 554137, 554095, 554065, 552664, 550801, 503690, 501960, 167270, 161570, 129825, 123115, 103486, 103127, 103077, 103067, 103066, 102851, 102791, 102284, 87115, 87112, 87105, 86745, 86469, 86409, 86408, 85906, 85895, 85892, 70364, 70318, 70315, 70308, 70304, 70027, 69522, 54357, 54354, 53927, 53711, 53708, 53647, 53145, 53134, 53131, 20132, 20131, 20130, 20129, 20128

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concen-	PRNT	Presumed Not Toxic



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	tration Values		
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50			Lethal Concentration 50%