Surface Shield

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)
Issue date: 2022-07-25 Revision date: 2022-07-25 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Product name : Surface Shield
Product code : 16-SS, 16-SS-CND

1.2. Recommended use and restrictions on use

Recommended uses and restrictions : Rust control lubricant

1.3. Supplier

Manufacturer
Blaster LLC
8500 Sweet Valley Drive
44125 Valley View, Ohio - USA
T 800-858-6605
www.blastercorp.com

Distributor
Princess Auto
475 Panet Road
Winnipeg, MB R2C 2Z1
Canada
Tel: (204) 667-4630

1.4. Emergency telephone number

Emergency number : ChemTel 800-424-9300

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flam. Aerosol 1	H222	Extremely flammable aerosol.
Press. Gas (Liq.)	H280	Contains gas under pressure; may explode if heated.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

2.2. GHS Label elements, including precautionary statements

This product is a consumer product and is labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

GHS-CA labelling

Hazard pictograms (GHS-CA) :

Signal word (GHS CA) : Danger

Hazard statements (GHS-CA) : H222 - Extremely flammable aerosol.
H280 - Contains gas under pressure; may explode if heated.
H304 - May be fatal if swallowed and enters airways.

Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
P405 - Store locked up.

P403 - Store in a well-ventilated place.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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

No additional information available

2.4. Unknown acute toxicity (GHS CA)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification according to the Hazardous Products Regulation (February 11, 2015)
Distillates, petroleum, hydrotreated heavy naphthenic	Petroleum distillates, hydrotreated heavy naphthenic / Distillates (petroleum), hydrotreated heavy naphthenic / Distillates (petroleum) hydrotreated heavy naphthenic / Naphtha, hydrotreated heavy distillate / Distillates, petroleum, hydrotreated heavy naphthenic (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20-50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains relatively few normal paraffins.) / Petroleum distillate hydrotreated heavy naphthenic	CAS-No.: 64742-52-5	30 – 60	Asp. Tox. 1;H304

Name	Chemical name / Synonyms	Product identifier	%	Classification according to the Hazardous Products Regulation (February 11, 2015)
Petroleum gases, liquefied, sweetened	Petroleum gases, liquified, sweetened / Petroleum gases, liquified, sweetened - petroleum gas / Petroleum gases, liquefied, sweetened; Petroleum gas [A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40°C to 80°C (-40°F to 176°F).] / Petroleum gases, liquefied, sweetened (A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3-7 and boiling in the range of approximately -40 to 80°C.) / Petroleum gases, liquefied, sweetened (A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3-7 and boiling in the range of approximately -40-80°C.) / Liquified petroleum gas, sweetened	CAS-No.: 68476-86-8	10 – 30	Flam. Gas 1;H220 Press. Gas (Liq.);H280 Simple Asphy;SIAS

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.Never give anything by mouth to an unconscious person

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

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Dry chemical, carbon dioxide or chemical foam. Halons.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use water jet.

5.3. Specific hazards arising from the hazardous product

Fire hazard : Extremely flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Ruptured cylinders may rocket.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.Eliminate every possible source of ignition. Use only non-sparking tools. Use special care to avoid static electric charges.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Remove ignition sources.Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.
Additional hazards when processed : Hazardous waste due to potential risk of explosion.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep out of the reach of children. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Store away from direct sunlight or other heat sources. Protect containers from physical damage.
Incompatible materials : Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Wear suitable gloves

Eye protection:
Safety glasses or goggles are recommended when using product.

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information:
Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Aerosol
Colour : Amber Brown as dispensed from aerosol can.
Odour : light cedar
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : > 1
Relative evaporation rate (ether=1) : No data available
Melting point : No data available

Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	0 °F (-17.78 °C) (Propellant)
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability	:	Extremely flammable aerosol.
Vapour pressure	:	> 2.068 bar(a) (>30 psi)
Relative vapour density at 20 °C	:	> 1 (Air=1)
Relative density	:	No data available
Solubility	:	Insoluble in water.
Partition coefficient n-octanol/water	:	No data available
Viscosity, kinematic	:	No data available
Explosive limits	:	Lower explosion limit: 1.8 vol % Upper explosion limit: 9.5 vol %

9.2. Other information

Heat of combustion	:	25.99 kJ/g
Flashback	:	No
Flame projection	:	>36" / 91 cm

SECTION 10: Stability and reactivity

Reactivity	:	No dangerous reactions known under normal conditions of use.
Chemical stability	:	Stable under normal conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Extreme risk of explosion by shock, friction, fire or other sources of ignition.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	Heat. Incompatible materials. Sparks. Open flame. Direct sunlight. Overheating.
Incompatible materials	:	Strong oxidizing agents.
Hazardous decomposition products	:	May include, and are not limited to: oxides of carbon.
Hardening time:	:	No additional information available

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.

Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	:	Not classified.
Serious eye damage/irritation	:	Not classified.
Respiratory or skin sensitization	:	Not classified.
Germ cell mutagenicity	:	Not classified.
Carcinogenicity	:	May cause cancer.
Reproductive toxicity	:	Not classified.
STOT-single exposure	:	Not classified.
STOT-repeated exposure	:	Not classified.

Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)	
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Petroleum gases, liquefied, sweetened (68476-86-8)	
LOAEC (inhalation, rat, gas, 90 days)	12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:OPPTS 870.3650 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard : May be fatal if swallowed and enters airways.

Surface Shield	
Vaporizer	Aerosol

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/effects after ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified.

Hazardous to the aquatic environment, long–term (chronic) : Not classified.

Distillates, petroleum, hydrotreated heavy naphthenic (64742-52-5)	
LC50 - Fish [1]	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Petroleum gases, liquefied, sweetened (68476-86-8)	
Partition coefficient n-octanol/water	≤ 2.8

12.2. Persistence and degradability

Surface Shield	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Surface Shield	
Bioaccumulative potential	Not established.

Petroleum gases, liquefied, sweetened (68476-86-8)	
Partition coefficient n-octanol/water	≤ 2.8

12.4. Mobility in soil

Petroleum gases, liquefied, sweetened (68476-86-8)	
Partition coefficient n-octanol/water	≤ 2.8

12.5. Other adverse effects

Ozone : Not classified.
Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Container under pressure. Do not drill or burn even after use.
Additional information : Flammable vapours may accumulate in the container. Hazardous waste due to potential risk of explosion.

SECTION 14: Transport information

In accordance with TDG

14.1. UN number

UN-No. (TDG) : UN1950

14.2. UN proper shipping name

Proper Shipping Name (TDG) : AEROSOLS(Limited quantity)

14.3. Transport hazard class(es)

TDG
Transport hazard class(es) (TDG) : 2.1
Hazard labels (TDG) : 2.1
:

14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

TDG
UN-No. (TDG) : UN1950

TDG Special Provisions	:	80 - Despite section 1.17 of Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases), a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with the requirements for transporting gases in Part 5 (Means of Containment),107 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a vessel on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defence spray.
Explosive Limit and Limited Quantity Index	:	1 L
Excepted quantities (TDG)	:	E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	75 L

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. National regulations

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories

15.2. International regulations

No additional information available

SECTION 16: Other information

Issue date	:	07-25-2022
Revision date	:	07-25-2022

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