



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

SECTION 1: Identification

1.1 Product identifier

Trade name **Adam's Black Trim Restorer - Ceramic Coating**
ADP504-02, BKD500-02

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Bumper and exterior trim dressing
Professional use
Industrial use

Uses advised against Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

1.3 Details of the supplier of the safety data sheet

Adam's Polishes Inc.
8225 North Valley Hwy.
Thornton CO 80221
720-484-5059

tips@adamspolishes.com
www.adamspolishes.com

1.4 Emergency telephone number

Emergency information service USA 1.800.535.5053, INTL 1.352.323.3500
24 hour emergency number

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Hazard class and category	Hazard statement
A.2	skin corrosion/irritation	Skin Corr. 1B	H314
A.3	serious eye damage/eye irritation	Eye Dam. 1	H318
B.6	flammable liquid	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

Additional information

Contains a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS05



- Hazard statements

H226 Flammable liquid and vapor.
H314 Causes severe skin burns and eye damage.

- Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center/doctor.
P321 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling Alkyl Polysilicates

2.3 Other hazards

Results of PBT and vPvB assessment

Contains a PBT-substance at a concentration of $\geq 0.1\%$. Contains a vPvB-substance at a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

3.2 Mixtures

Description of the mixture

Hazardous ingredients acc. to GHS			
Name of substance	Identifier	Wt%	Classification acc. to GHS
decamethylcyclpentasiloxane	CAS No 541-02-6	60 - < 80	Flam. Liq. 4 / H227
Polyurea polysilazane	CAS No 2649792-57-2	10 - < 30	Acute Tox. 4 / H302 Flam. Liq. 2 / H225
Alkyl Polysilicates	CAS No 919-30-2	5 - < 10	Acute Tox. 4 / H302 Skin Corr. 1B / H314

Remarks

For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
this information is not available

Relevant DNELs of components						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
decamethylcyclopentasiloxane	541-02-6	DNEL	97 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
decamethylcyclopentasiloxane	541-02-6	DNEL	24 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
decamethylcyclopentasiloxane	541-02-6	DNEL	97 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
decamethylcyclopentasiloxane	541-02-6	DNEL	24 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Alkyl Polysilicates	919-30-2	DNEL	14 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Alkyl Polysilicates	919-30-2	DNEL	2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
decamethylcyclopentasiloxane	541-02-6	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	11 mg/kg	benthic organisms	sediment	short-term (single instance)
decamethylcyclo-	541-02-6	PNEC	13 mg/kg	(top) predators	water	short-term (single



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Relevant PNECs of components						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
pentasiloxane						instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	1.1 mg/kg	pelagic organisms	sediment	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	1.2 µg/l	aquatic organisms	freshwater	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	0.12 µg/l	aquatic organisms	marine water	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	11 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	1.1 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	2.5 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	black



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Particle	not relevant (liquid)
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	>65 °C at 1 atm
Flash point	56 °C
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	33 Pa at 25 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	270 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

Temperature class (USA, acc. to NEC 500)	T2B (maximum permissible surface temperature on the equipment: 260 °C)
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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful if swallowed, in contact with skin or if inhaled.

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
Polyurea polysilazane	2649792-57-2	oral	500 mg/kg
Alkyl Polysilicates	919-30-2	oral	500 mg/kg

Acute toxicity of components					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
decamethylcyclpentasiloxane	541-02-6	oral	LD50	>5,000 mg/kg	rat
decamethylcyclpentasiloxane	541-02-6	inhalation: dust/mist	LC50	8.7 mg/l/4h	rat
decamethylcyclpentasiloxane	541-02-6	dermal	LD50	>2,000 mg/kg	rabbit
Polyurea polysilazane	2649792-57-2	oral	LD50	500 mg/kg	rat

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
decamethylcyclopentasiloxane	541-02-6	LC50	>16 µg/l	fish	96 h
decamethylcyclopentasiloxane	541-02-6	EC50	>2.9 µg/l	aquatic invertebrates	48 h
Polyurea polysilazane	2649792-57-2	LC50	57 mg/l	zebra fish (Danio rerio)	96 h
Alkyl Polysilicates	919-30-2	LC50	>934 mg/l	fish	96 h
Alkyl Polysilicates	919-30-2	EC50	331 mg/l	aquatic invertebrates	48 h

Aquatic toxicity (chronic) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
decamethylcyclopentasiloxane	541-02-6	LC50	>16 µg/l	fish	14 d
decamethylcyclopentasiloxane	541-02-6	EC50	>15 µg/l	aquatic invertebrates	21 d
Alkyl Polysilicates	919-30-2	EC50	43 mg/l	microorganisms	5.75 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Contains a PBT-substance at a concentration of $\geq 0.1\%$. Contains a vPvB-substance at a concentration of $\geq 0.1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

DOT	UN 2920
IMDG-Code	UN 2920
ICAO-TI	UN 2920

14.2 UN proper shipping name

DOT	Corrosive liquid, flammable, n.o.s.
IMDG-Code	CORROSIVE LIQUID, FLAMMABLE, N.O.S.
ICAO-TI	Corrosive liquid, flammable, n.o.s.
Technical name (hazardous ingredients)	Alkyl Polysilicates, polyurea silazane

14.3 Transport hazard class(es)

DOT	8 (3)
IMDG-Code	8 (3)
ICAO-TI	8 (3)

14.4 Packing group

DOT	II
IMDG-Code	II



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

ICAO-TI

II

14.5 Environmental hazards

Environmentally hazardous substance (aquatic environment)

hazardous to the aquatic environment

decamethylcyclpentasiloxane

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT)

Particulars in the shipper's declaration

UN2920, Corrosive liquid, flammable, n.o.s., (contains: Alkyl Polysilicates, polyurea silazane), 8 (3), II, environmentally hazardous

Reportable quantity (RQ)

8,620,690 lbs (3,913,793 kg) (methanol)

Danger label(s)

8+3, fish and tree



Environmental hazards

yes (hazardous to the aquatic environment)

Special provisions (SP)

B2, IB2, T11, TP2, TP27

ERG No

132

International Maritime Dangerous Goods Code (IMDG)

Marine pollutant

yes (hazardous to the aquatic environment) (decamethylcyclpentasiloxane)

Danger label(s)

8+3, fish and tree



Special provisions (SP)

274

Excepted quantities (EQ)

E2

Limited quantities (LQ)

1 L

EmS

F-E, S-C

Stowage category

C

International Civil Aviation Organization (ICAO-IATA/DGR)

Environmental hazards

yes (hazardous to the aquatic environment)

Danger label(s)

8+3





Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Excepted quantities (EQ)	E2
Limited quantities (LQ)	0,5 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

Clean Air Act

none of the ingredients are listed

Right to Know Hazardous Substance List

Cleaning Product Right to Know Act Substance List (CA-RTK)			
Name of substance	CAS No	Functionality	Authoritative Lists
decamethylcyclopentasiloxane	541-02-6	solvents	Canada PBiTs CECBP - Priority Chemicals EC PBTs
Alkyl Polysilicates	919-30-2	resin	
polydimethylsiloxane	63148-62-9	surface modifier	
polytrimethylhydrosilylsiloxane	68988-56-7	surface modifier	
methanol	67-56-1	alcohols	CA TACs NTP OHAT - Repr. or Dev. Toxicants OEHHA RELs Prop 65
tetra(trimethylsiloxy)silane	3555-47-3	surface modifier	Canada PBiTs

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals				
Name acc. to inventory	CAS No	Wt%	Remarks	Type of the toxicity
methanol	67-56-1	0.058		developmental

VOC content

- Regulated Volatile Organic Compounds (VOC-EPA) 0.058 %
- Regulated Volatile Organic Compounds (VOC-Cal ARB) 0.058 %



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	3	major injury likely unless prompt action is taken and medical treatment is given
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

Chronic: chronic hazard
Flammability: flammability hazards
Health: health hazard
Personal protection: personal protective equipment (PPE) for normal use
Physical hazard: reactivity

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
CA	DSL	not all ingredients are listed
CA	NDSL	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
US	TSCA	all ingredients are listed (ACTIVE)
AU	AIIC	not all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
KR	KECI	not all ingredients are listed
MX	INSQ	not all ingredients are listed



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Country	Inventory	Status
NZ	NZIoC	not all ingredients are listed
PH	PICCS	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed

Legend

AIIC	Australian Inventory of Industrial Chemicals
CICR	Chemical Inventory and Control Regulation
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
KECI	Korea Existing Chemicals Inventory
NDSL	Non-domestic Substances List (NDSL)
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

Additional information

The contained substances are listed in the following national inventories:

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Indication of changes (revised safety data sheet)

Alignment to regulation: Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").
Restructuring: section 9, section 14

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Trade name: Adam's Black Trim Restorer - Ceramic Coating	Trade name: Adam's Black Trim Restorer - Ceramic Coating ADP504-02, BKD500-02	yes
1.2	Relevant identified uses: Bumper and exterior trim dressing	Relevant identified uses: Bumper and exterior trim dressing Professional use Industrial use	yes
1.2		Uses advised against: Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.	yes
2.1		Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table)	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.1	The most important adverse physicochemical, human health and environmental effects: The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).	The most important adverse physicochemical, human health and environmental effects: Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).	yes
2.1	Additional information: Containing a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.	Additional information: Contains a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.	yes
2.2		- Pictograms: change in the listing (table)	yes
2.2		- Hazard statements: change in the listing (table)	yes
2.2		- Precautionary statements: change in the listing (table)	yes
2.2	- Hazardous ingredients for labelling: octamethylcyclotetrasiloxane, Alkyl Polysilicates	- Hazardous ingredients for labelling: Alkyl Polysilicates	yes
2.3	Results of PBT and vPvB assessment: Containing a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.	Results of PBT and vPvB assessment: Contains a PBT-substance at a concentration of $\geq 0.1\%$. Contains a vPvB-substance at a concentration of $\geq 0.1\%$.	yes
2.3		Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.	yes
3.2		Hazardous ingredients acc. to GHS: change in the listing (table)	yes
3.2		Remarks: For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.	yes
8.1	Control parameters: This information is not available.	Control parameters: Occupational exposure limit values (Workplace Exposure Limits) this information is not available	yes
8.1		Relevant DNELs of components: change in the listing (table)	yes
8.1		Relevant PNECs of components: change in the listing (table)	yes
9.1	Vapor pressure: 132 Pa at 25 °C	Vapor pressure: 33 Pa at 25 °C	yes
11.1	Acute toxicity: Shall not be classified as acutely toxic.	Acute toxicity: Shall not be classified as acutely toxic.GHS of the United Nations, annex 4: May be harmful if swallowed, in contact with skin or if inhaled.	yes
11.1		Acute toxicity estimate (ATE) of components: change in the listing (table)	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
11.1		Acute toxicity of components: change in the listing (table)	yes
11.1	Skin corrosion/irritation: Causes skin irritation.	Skin corrosion/irritation: Causes severe skin burns and eye damage.	yes
11.1	Reproductive toxicity: Suspected of damaging fertility.	Reproductive toxicity: Shall not be classified as a reproductive toxicant.	yes
12.1		Aquatic toxicity (acute) of components: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components: change in the listing (table)	yes
12.5	Results of PBT and vPvB assessment: The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).	Results of PBT and vPvB assessment: Contains a PBT-substance at a concentration of $\geq 0.1\%$. Contains a vPvB-substance at a concentration of $\geq 0.1\%$.	yes
12.6	Endocrine disrupting properties: Information on this property is not available.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.	yes
14.1	DOT: UN 1993	DOT: UN 2920	yes
14.1	IMDG-Code: UN 1993	IMDG-Code: UN 2920	yes
14.1	ICAO-TI: UN 1993	ICAO-TI: UN 2920	yes
14.2	DOT: Flammable liquid, n.o.s.	DOT: Corrosive liquid, flammable, n.o.s.	yes
14.2	IMDG-Code: FLAMMABLE LIQUID, N.O.S.	IMDG-Code: CORROSIVE LIQUID, FLAMMABLE, N.O.S.	yes
14.2	ICAO-TI: Flammable liquid, n.o.s.	ICAO-TI: Corrosive liquid, flammable, n.o.s.	yes
14.2	Technical name (hazardous ingredients): octamethylcyclotetrasiloxane, Cyclosilazanes, di-Me, Me Hydrogen, polymers with di-Me, Me hydrogen silazanes, and 2,4-TDI	Technical name (hazardous ingredients): Alkyl Polysilicates, polyurea silazane	yes
14.3	DOT: 3	DOT: 8 (3)	yes
14.3	IMDG-Code: 3	IMDG-Code: 8 (3)	yes
14.3	ICAO-TI: 3	ICAO-TI: 8 (3)	yes
14.4	DOT: III	DOT: II	yes
14.4	IMDG-Code: III	IMDG-Code: II	yes
14.4	ICAO-TI: III	ICAO-TI: II	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
14.7	Particulars in the shipper's declaration: UN1993, Flammable liquid, n.o.s., (contains: octamethylcyclotetrasiloxane, Cyclosilazanes, di-Me, Me Hydrogen, polymers with di-Me, Me hydrogen silazanes, and 2,4-TDI), 3, III, environmentally hazardous	Particulars in the shipper's declaration: UN2920, Corrosive liquid, flammable, n.o.s., (contains: Alkyl Polysilicates, polyurea silazane), 8 (3), II, environmentally hazardous	yes
14.7	Danger label(s): 3, fish and tree	Danger label(s): 8+3, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): B1, B52, IB3, T4, TP1, TP29	Special provisions (SP): B2, IB2, T11, TP2, TP27	yes
14.7	ERG No: 128	ERG No: 132	yes
14.7	Danger label(s): 3, fish and tree	Danger label(s): 8+3, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): 223, 274, 955	Special provisions (SP): 274	yes
14.7	Excepted quantities (EQ): E1	Excepted quantities (EQ): E2	yes
14.7	Limited quantities (LQ): 5 L	Limited quantities (LQ): 1 L	yes
14.7	EmS: F-E, <u>S-E</u>	EmS: F-E, S-C	yes
14.7	Stowage category: A	Stowage category: C	yes
14.7	Danger label(s): 3	Danger label(s): 8+3	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): A3		yes
14.7	Excepted quantities (EQ): E1	Excepted quantities (EQ): E2	yes
14.7	Limited quantities (LQ): 10 L	Limited quantities (LQ): 0,5 L	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		National inventories: change in the listing (table)	yes
15.1		Additional information: The contained substances are listed in the following	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
		national inventories:	
16		Abbreviations and acronyms: change in the listing (table)	yes
16		List of relevant phrases (code and full text as stated in section 2 and 3): change in the listing (table)	yes

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
Cal ARB	California Air Resources Board
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
EPA	Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment
ERG No	Emergency Response Guidebook - Number
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Adam's Black Trim Restorer - Ceramic Coating

Version number: GHS 3.0
Replaces version of: 2022-02-01 (GHS 2)

Revision: 2024-12-06

Abbr.	Descriptions of used abbreviations
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.