

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: Trim+ - Trim Restoration Coating

Product code: 199284691292

Relevant identification uses of the substance and uses advised against:

Identified uses: Plastic trim coating. Professional use.

Uses advised against: No other uses are advised.

Details of the Supplier of the Safety Data Sheet:

Armour Detail Supply LLC
28720 South Diesel Drive, Unit 2
Bonita Springs, FL 34135
+1-(703)-296-2449
info@armourdetailsupply.com

Emergency telephone numbers:

24-hour Emergency Contact:

CHEMTREC 24-hour: +1-800-424-9300 (USA)

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard classes/Hazard categories:

Flammable liquid (Category 2)

Label elements:

Hazard pictogram:



Signal word: Danger.

Hazard statements:

H225 Highly flammable liquid and vapor.

Precautionary statements:**Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharge.

P280 Wear protective gloves/eye protection/protective clothing.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/container in accordance with local/national regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification EC1272/2008
	EC-No.			
Decamethylcyclopentasiloxane	541-02-6	40 - < 55%	-	Not Classified
	208-764-9			
C.I. Solvent Black 29	117527-94-3	1 - < 5%	-	Aquatic Chronic 2 H411
	403-720-7			
Ethanol; Ethyl alcohol	64-17-5	1 - < 5%	Eye Irrit. 2: C ≥ 50 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319
	200-578-6			
Titanium tetraisopropanolate	546-68-9	1 - < 5%	-	Flam. Liq. 3 H226 Eye Irrit. 2 H319 STOT SE 3 H336
	208-909-6			
Methanol	67-56-1	1 - < 5%	STOT SE 1 H370 C ≥ 10 % STOT SE 2 H371 3 % ≤ C < 10 %	Flam. Liq. 2 H225 Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT SE 1 H370
	200-659-6			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

General: 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.

Inhalation: If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Skin contact: Wash with plenty of soap and water.

Eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

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

Most important symptoms and effects, both acute and delayed:

Symptoms and effects are not known to date.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguisher media: Water spray, BC-powder, Carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use water jet.

Special hazards arising from the 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: Carbon monoxide (CO), and Carbon dioxide (CO₂).

Advice for fire-fighters: 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

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.

Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If the product has entered a water course or sewer, inform the responsible authority.

Methods for containment and cleaning up:

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, or universal binder. Place in appropriate containers for disposal. Ventilate affected area.

Section 7: Handling and Storage

Precautions for safe handling:

Wash hands after use. 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 feed.

Measures to prevent fire as well as aerosol 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.

Advice on general occupational hygiene: Do not eat, drink, or smoke when handling this product.

Further information: 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.

Conditions for safe storage, including incompatibilities:

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

Specific end uses: Use only as directed.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits:

Ethyl alcohol, CAS No. 64-17-5

NIOSH REL TWA 1,000 ppm (1,900 mg/m³)

OSHA PEL TWA 1,000 ppm (1,900 mg/m³)

Methyl alcohol, CAS No. 67-56-1

NIOSH REL TWA 250 ppm (325 mg/m³)

OSHA PEL TWA 200 ppm (260 mg/m³)

Exposure control:

Appropriate engineering controls: Provide adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment:

Eye protection: Wear eye protection/face protection.

Hand protection: Wear protective gloves. Chemical protection gloves are suitable, which are tested according to applicable standards. Check leak-tightness/impermeability prior to use.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Body protection: Wear suitable protective clothing.

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

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Liquid.

Color: Black.

Odor: Characteristic, ammonia-like.

pH (concentration): No data available.

Melting point/range (°C): No data available.

Boiling point/range (°C): 93 °C

Flash point (°C): 9 °C at 101 kPa closed cup.

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower explosive limits: LEL 2.5 vol%, UEL 14 vol%

Vapor pressure: 169 hPa @ 25 °C

Vapor density: No data available.

Relative density: 0.96

Water solubility (g/L) at 25 °C: No data available.

n-Octanol/Water partition coefficient: No data available.

Auto-ignition temperature: 371 °C

Decomposition temperature: No data available.

Viscosity, dynamic (mPa.s): No data available.

Section 10: Stability and Reactivity

Reactivity: The mixture contains reactive substances. Risk of ignition.

Chemical stability: Refer below to "Conditions to avoid".

Possibility of hazardous reactions: No hazardous reactions known.

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

Incompatible materials: Oxidizers.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity: No data available.

Skin corrosion/irritation: No data available.

Serious eye damage/irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: Very toxic to aquatic life with long lasting effects.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT& 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 13: Disposal Considerations

Waste treatment methods: Dispose of in accordance with local/national regulations. Do not empty into drains. Avoid release to the environment.

Product/packaging disposal: Only packaging 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 unused product.

Section 14: Transport Information

UN number: 1993

UN proper shipping name: FLAMMABLE LIQUID, N.O.S.

Transport hazard class: 3

Packing group: II

Environmental hazards: Hazardous to the aquatic environment.

Special precautions for user: Refer to Sections 6 – 8.

Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

US Regulations:

SARA Title III Section 302/304 Extremely Hazardous Substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III Section 311/312 Hazard Categorization: Fire Hazard.

SARA Title III Section 313 Supplier Information: Methanol, CAS No. 67-56-1 is listed.

CERCLA Section 102(a) Hazardous Substance: Methanol, CAS No. 67-56-1: RQ 5,000 lbs.

California Proposition 65: This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to <https://www.p65warnings.ca.gov>

State Regulations: Methanol, CAS No. 67-56-1 and Ethanol, CAS No. 64-17-5 can be found on the following state right to know lists: New Jersey, Pennsylvania, and Massachusetts.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text):

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H319 Causes serious eye irritation.

H331 Toxic in contact with skin.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs.

H411 Toxic to aquatic life with long lasting effects.

Training instructions: Use as instructed.

NFPA rating:



Health 0 - Materials that, under emergency conditions would offer no hazard beyond that of ordinary combustible materials.

Flammability 3 - Materials in this degree produce hazardous atmospheres with air under almost all ambient temperatures or, though unaffected by ambient temperatures, are readily ignited under almost all conditions.

Reactivity/Instability 0 - Materials that in themselves are normally stable, even under fire conditions.

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

Notice to readers: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health



**Safety Data Sheet for
Armour Detail Supply Trim+**
According to ISO 11014:2009

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TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit