acc. to 29 CFR 1910.1200 App D



METEOR FAST PANEL CLEAR HARDENER 11-06 S275-11-06

Date of compilation: 2022-02-01

SECTION 1: Identification

1.1 Product identifier

Trade name METEOR FAST PANEL CLEAR HARDENER

Alternative number(s) 11-06

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

Relevant identified uses General use

1.3 Details of the supplier of the safety data sheet

Orion Automotive Finishes LLC PO Box 34 - 1959 Kings Hwy Swedesboro, NJ 08085, USA

Telephone: +1844 578 1750 Telefax: +1 512 793 9796

Website

www.orionautomotivefinishes.com

1.4 Emergency telephone number

INFOTRAC www.infotrac.net US & Canada: +1 800 535 5053 International: +1 352 323 3500 .

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

| Section | Hazard class | Category | Hazard class and category | Hazard state- ment |
|---------|--|----------|---------------------------|-----------------------|
| 2.6 | Flammable liquid | 3 | Flam. Liq. 3 | H226 |
| 3.10 | Acute toxicity (oral) | 5 | Acute Tox. 5 | H303 |
| 3.1D | Acute toxicity (dermal) | 5 | Acute Tox. 5 | H313 |
| 3.1I | Acute toxicity (inhal.) | 5 | Acute Tox. 5 | H333 |
| 3.2 | Skin corrosion/irritation | 3 | Skin Irrit. 3 | H316 |
| 3.3 | Serious eye damage/eye irritation | 2B | Eye Irrit. 2B | H320 |
| 3.45 | Skin sensitization | 1B | Skin Sens. 1B | H317 |
| 3.9 | Specific target organ toxicity - repeated exposure | 2 | STOT RE 2 | H373 |

For full text of abbreviations: see SECTION 16.

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The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources.

2.2 **Label elements**

Labeling

- Signal word warning

- Pictograms

GHS02, GHS07, GHS08







- Hazard statements

H226 Flammable liquid and vapour.

H303+H313+H333 May be harmful if swallowed, in contact with skin or if inhaled.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H320 Causes eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

- 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 and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. P241

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace. P272 Wear protective gloves/protective clothing/eye protection/face protection. P280

P302+P352 IF ON SKIN: Wash with plenty of water.

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

shower.

P304+P312 IF INHALED: Call a POISON CENTER/doctor 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.

P312 Call a POISON CENTER/doctor if you feel unwell.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish. P370+P378

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

P501 Dispose of contents/container to industrial combustion plant.

2.3 Other hazards

of no significance

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

3.2.1 Description of the mixture

| Name of substance | Identifier | Wt% |
|--------------------------|-----------------------|-----------|
| POLIISOCIANATO ALIFÁTICO | CAS No Propietario | 50 – < 75 |
| BUTYL ACETATE | CAS No 123-86-4 | 25 – < 50 |

For full text of abbreviations: see SECTION 16.

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. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

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SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Water jet

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

Carbon monoxide (CO), Carbon dioxide (CO2)

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

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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.

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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.

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

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted. 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.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

| Co un- try | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/ m³] | STEL [ppm] | STEL [mg/ m³] | Ceil- ing-C [ppm] | Ceil- ing-C [mg/ m³] | Nota tion | Source |
|------------------|----------------------|--------------|------------|---------------|--------------------|---------------|---------------------|-------------------------|-------------------------------|--------------|---------------------|
| US | N-BUTYL ACET- ATE | 123-86- 4 | PEL (CA) | 150 | 710 | 200 | 950 | | | | Cal/OSHA PEL |
| US | N-BUTYL ACET- ATE | 123-86- 4 | REL | 150 (10 h) | 710 (10 h) | 200 | 950 | | | | NIOSH REL |
| US | N-BUTYL ACET- ATE | 123-86- 4 | PEL | 150 | 710 | | | | | | 29 CFR 1910.1000 |

Notation

TWA

Ceiling-C ceiling value is a limit value above which exposure should not occur

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period

(unless otherwise specified)

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-

weighted average (unless otherwise specified

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.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

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

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Physical state | liquid |
|--|--|
| Color | various |
| Odor | aromatico débil |
| Melting point/freezing point | not determined |
| Boiling point or initial boiling point and boiling range | 126.2 °C |
| Flammability | flammable liquid in accordance with GHS criteria |
| Lower and upper explosion limit | not determined |
| Flash point | 27 °C at 1,013 hPa |
| Auto-ignition temperature | not determined |
| Decomposition temperature | not relevant |
| pH (value) | not determined |
| Kinematic viscosity | not determined |
| Solubility(ies) | not determined |

Partition coefficient

| Partition coefficient n-octanol/water (log value) | this information is not available |
|---|-----------------------------------|
|---|-----------------------------------|

| Vapor pressure | 10.15 hPa at 18.49 °C |
|----------------|-----------------------|
|----------------|-----------------------|

Density and/or relative density

| Density | 0.99 – 1.05 ^g / _{cm³} at 25 °C |
|---------|--|
| | |

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| Particle characteristics | no data available |
|--------------------------|-------------------|
|--------------------------|-------------------|

9.2 Other information

| Information with regard to physical hazard classes | there is no additional information |
|--|------------------------------------|
| Other safety characteristics | |

| Solvent content | 37 % |
|-----------------|------|
| Solid content | 63 % |

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".

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.

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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

May be harmful if swallowed. May be harmful in contact with skin. May be harmful if inhaled.

- Acute toxicity estimate (ATE)

Inhalation: vapor 15.71 ^{mg}/_I/4h

Skin corrosion/irritation

Causes mild skin irritation.

Serious eye damage/eye irritation

Causes eye irritation.

Respiratory or skin sensitization

May cause an allergic skin reaction.

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

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

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SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

Information on this property is not available.

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.

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SECTION 14: Transport information

14.1 UN number 1263

DOT UN 1263
IMDG-Code UN 1263
ICAO-TI UN 1263

14.2 UN proper shipping name PAINT

DOT Paint
IMDG-Code PAINT
ICAO-TI Paint

14.3 Transport hazard class(es)

DOT 3
IMDG-Code 3
ICAO-TI 3

14.4 Packing group

DOT III IMDG-Code III ICAO-TI III

14.5 Environmental hazards none

14.6 Special precautions for user there is no additional information

14.7 Maritime transport in bulk according to IMO instruments

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

Particulars in the shipper's declaration UN1263, Paint, 3, III

Reportable quantity (RQ) 16,667 lbs (7,567 kg) (BUTYL ACETATE)

Danger label(s) 3



Special provisions (SP) B1, B52, IB3, T2, TP1, TP29

ERG No 128

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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

- Specific Toxic Chemical Listings (EPCRA Section 313) none of the ingredients are listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

| Name of substance | CAS No | Remarks | Statutory code | Final RQ pounds (Kg) |
|-------------------|----------|---------|-------------------|-------------------------|
| BUTYL ACETATE | 123-86-4 | | 1 | 5000 (2270) |

Legend

"1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act

Clean Air Act

none of the ingredients are listed

Right to Know Hazardous Substance List

- Hazardous Substance List (NJ-RTK)

| Name of substance | CAS No | Remarks | Classifications |
|-------------------|----------|---------|-----------------|
| BUTYL ACETATE | 123-86-4 | | F3 |

Legend

F3 Flammable - Third Degree

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

none of the ingredients are listed

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

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| Category | Rating | Description |
|---------------------|--------|--|
| Chronic | / | None |
| Health | 2 | Temporary or minor injury may occur |
| Flammability | 3 | Material that can be ignited under almost all ambient temperature conditions |
| 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 | - | |

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 | 3 | Material that can be ignited under almost all ambient temperature conditions |
| Health | 2 | Material that, under emergency conditions, can cause temporary incapacitation or residual injury |
| Instability | 0 | Material that is normally stable, even under fire conditions |
| Special hazard | | |

National inventories

| Country | Inventory | Status |
|---------|-----------|--------------------------------|
| US | TSCA | Not all ingredients are listed |

Legend

TSCA Toxic Substance Control Act

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

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---------------------------|---|
| 29 CFR 1910.1000 | 29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits) |
| 29 CFR 1910.1200 App D | OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200 - Appendix D - Safety Data Sheets |

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| Abbr. | Descriptions of used abbreviations |
|----------------|---|
| 49 CFR US DOT | 49 CFR U.S. Department of Transportation |
| Cal/OSHA PEL | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs) |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| Ceiling-C | Ceiling value |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DOT | Department of Transportation (USA) |
| ERG No | Emergency Response Guidebook - Number |
| 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-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 |
| NIOSH REL | National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs) |
| 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 |
| PEL | Permissible exposure limit |
| Ppm | Parts per million |
| RTECS | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information) |
| STEL | Short-term exposure limit |
| TWA | Time-weighted average |
| VPvB | Very Persistent and very Bioaccumulative |

Key literature references and sources for data

Globally Harmonized System of Classification and Labelling of Chemicals ("Purple book").

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).

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

| Code | Text |
|------|--|
| H226 | Flammable liquid and vapour. |
| H303 | May be harmful if swallowed. |
| H313 | May be harmful in contact with skin. |
| H316 | Causes mild skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H320 | Causes eye irritation. |
| H333 | May be harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Disclaimer

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

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