



SAFETY DATA SHEET
PROMOTER
GRANICOAT®, QUARTZCOAT™ & BACKCOAT™

Version 1.1
Revision Date
1/4/2021

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY UNDERTAKING

1.1 Product identifier

| | |
|---------------|-----------------------------------|
| Product name | Promoter for Granicoat & Backcoat |
| Chemical name | Coating Solution |
| Product code | - |
| CAS number | Not applicable |

1.2 Manufacturer, Importer or Responsible Party

| | |
|-----------|---|
| Name | SAFAS Corporation |
| Address | 2 Ackerman Avenue Clifton New Jersey, 07011 USA |
| Telephone | +1 973 772 5252 |

1.5 Emergency phone number

| | |
|-----------|--|
| Telephone | <u>USA</u> : 1-800-424-9300 <u>International</u> : 1-703-527-3887 |
|-----------|--|

1.6 Relevant use of the product

| | |
|--------------|-------------------|
| Applications | No data available |
|--------------|-------------------|

1.7 Product Uses advised against

No data available

2. HAZARDS IDENTIFICATION

2.1. The hazard classification of the chemical according to HazCom 2012 (US-GHS)

| | |
|---------------|--|
| Flam. Liq. 3 | H226 Flammable liquid and vapour |
| Skin Sens. 1 | H317 May cause an allergic skin reaction |
| Skin Corr. 1A | H314 Causes severe skin burns and eye damage |

2.2. Signal word Warning

2.3. Hazard statements H226 Flammable liquid and vapour
H317 May cause an allergic skin reaction
H314 Causes severe skin burns and eye damage

2.4. Danger symbols





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2.5. Precautionary statements

| | |
|------------|---|
| Prevention | <p>P202: Do not handle until all safety precautions have been read and understood.</p> <p>P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P243: Take precautionary measures against static discharge.</p> <p>P260 Do not breathe dust/fume/ gas/mist/vapours/spray.</p> <p>P264: Wash hands thoroughly after handling.</p> <p>P272: Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> |
| Response | <p>P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER or doctor/physician.</p> |
| Storage | <p>P403 + P235: Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> |
| Disposal | <p>P501: Dispose of contents/container in accordance with local / regional / national / international regulations.</p> |

2.6. Description of any hazards not otherwise classified

N/A

2.7. % ingredient(s) with unknown acute toxicity

N/A



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3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS-Nr. | Concentration % |
|-----------------------------|---------|-----------------|
| Cobalt 2 -Ethyl/neodecanate | N/A | 10 |
| Proprietary Amine | N/A | 20 |
| Isopropanol | 67-63-0 | 20 |
| Alkali Metal Salts | N/A | 20 |
| Methanol | 67-56-1 | 30 |

4. FIRST AID MEASURES

4.1 First Aid measures after Inhalation

Following inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.

4.2 First Aid measures after Skin exposure

Following skin contact Immediately flush with plenty of water for at least 15 minutes. While removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse.

4.3 First Aid measures after Eye exposure

Following eye contact Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

4.4 First Aid measures after Ingestion

Following ingestion Call a physician or poison control center immediately. Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person.

4.5 Most important symptoms and effects, both acute and delayed

INHALATION Not determined.
SKIN Not determined.
EYES Not determined.
INGESTION Not determined.

4.6 Indication of any immediate medical attention and special treatment needed

None Known



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5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media** *Suitable:* Foam, Water Spray, Dry Chemical, CO₂.
Unsuitable: None known.
- 5.2 Special hazards arising from chemical or mixture during the fire** None known.
- 5.3 Special Protective Precautions or equipment for firefighters** Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment** Wear protective gloves/protective clothing/eye protection/face protection.
- 6.2 Emergency procedures** Leaks and Spills: Eliminate all ignition sources.
- 6.3 Methods and materials used for containment** Contain spilled material, transfer to secure container. Where necessary collect using absorbent media.
- 6.4 Cleanup procedures** Clean contaminated sites immediately. Wear proper protective equipment as specified. Treat the recovered material as prescribed in the section on waste disposal.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid eye contact, prolonged or repeated skin contact, and inhalation of vapor. Use with adequate ventilation.
- 7.2 Conditions for safe storage** Store in a suitable location away from incompatible substances. Keep container closed when not in use. Hazardous product residue may remain after product has been removed from its container. DO NOT reuse any empty container!!

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 ACGIH-Threshold Limit Value (TLV)**
Exposure limit values of the components:



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| Component / CAS | STEL, 15 min (OSHA, ACGIH) |
|-----------------------------------|----------------------------|
| Cobalt 2 -Ethyl/neodecanate / N/A | N/A |
| Proprietary Amine / N/A | N/A |
| Isopropanol / 67-63-0 | N/A |
| Alkali Metal Salts / N/A | N/A |
| Methanol / 67-56-1 | N/A |

8.2 OSHA-Permissible Exposure Limit (PEL)

Exposure limit values of the components:

| Component / CAS | TLV, 8H (OSHA, PEL, ACGIH) |
|-----------------------------------|--|
| Cobalt 2 -Ethyl/neodecanate / N/A | OSHA PEL 0.1 mg/M ³ ACGIH TLV 0.05 mg/M ³ |
| Proprietary Amine / N/A | None Established |
| Isopropanol / 67-63-0 | OSHA PEL 260 mg/M ³ ACGIH TLV 310 mg/M ³ |
| Alkali Metal Salts / N/A | OSHA PEL 500 mg/M ³ ACGIH TLV 500 mg/M ³ |
| Methanol / 67-56-1 | None Established |

8.3 Any other exposure limit used or recommended by chemical manufacturer

None known.

8.4 Engineering Controls

General ventilation is required during normal use. Local ventilation may be required during certain operations to keep exposure levels below the exposure limit values listed above. Local exhaust if needed to control vapors at elevated temperatures.

8.5 Personal Protective Equipment

Respiratory protection: A NIOSH approved respirator for organic vapors should be worn if needed.

Hand protection: Protective Gloves recommended.

Eye protection: Safety glasses.

Hygiene measures: Do not drink, eat or smoke near the product. Wash hands before and after handling.

First Aid Facilities: Eye bath, safety shower, washing facilitation.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Information of basic physical and chemical properties

| | |
|--|-------------------------------------|
| Appearance (physical state, colour, etc.) | Liquid |
| Odor | No data available |
| Odor threshold | Not determined |
| pH | No data available |
| Melting point/freezing point; | Liquid |
| Boiling point | 150°F |
| Boiling Range | No data available |
| Flash point | 55°F Tag open cup |
| Evaporation rate | 4.6 (Butyl Acetate =1) |
| Vapor Pressure | (mm HG.) Approx. 96 |
| Flammability | Flammable (Flam. Liq. 3) |
| Upper/lower flammability or explosive limits | LEL 1.4% UEL 6.7% |
| Oxidising properties | Reacts with strong oxidizing agents |
| Relative density | No data available |
| Solubility in water | Appreciable |
| Other Solvents | No data available |
| Partition coefficient (n-octanol/water) | No data available |
| Auto ignition temperature | Not determined |
| Decomposition temperature | Not determined |
| Viscosity | Not applicable |



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10. STABILITY AND REACTIVITY

| | |
|--|---|
| 10.1 Reactivity | No data available. |
| 10.2 Chemical stability | Stable. |
| 10.3 Possibility of hazardous reactions | No data available. |
| 10.4 Conditions to avoid | No data available. |
| 10.5 Incompatible materials | Oxidizing materials can cause vigorous reaction. |
| 10.6 Hazardous decomposition products | When heated to decomposition; emits highly toxic fumes of oxides of phosphorus. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|--|
| 11.1 Routes of exposure | |
| Acute toxicity: | Cause mild respiratory irritation. |
| Skin corrosion/irritation: | Uncured product contact may irritate skin. |
| Serious eye damage/irritation: | Uncured product contact irritates eyes. |
| Respiratory or skin sensitisation: | N/A |
| 11.2 Measures of Toxicity (e.G, LD50, LC50) + expected amount to kill 50% | Not determined |
| 11.3 Listed in IARC or considered carcinogen by NTP or OSHA | No |
| 11.4 Related symptoms | N/A |

12. ECOLOGICAL INFORMATION

| | |
|---|---|
| 12.1 Toxicity | Not determined |
| 12.2 Persistence and degradability | Expected to biodegrade in soil. Expected to biodegrade in water in few days. |
| 12.3 Bioaccumulative potential | Not determined |
| 12.4 Mobility in soil | Not determined |
| 12.5 Other adverse effects | Not determined |



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13. DISPOSAL CONSIDERATIONS

| | |
|---|--|
| 13.1 Disposal methods to employ | Incineration. All removed material should be packaged, labelled, transported and disposed or reclaimed in conformance with laws. Avoid landfilling of liquids. Discharge, treatment, or disposal may be subject to national, state & local laws. In the US: dispose of waste according to Federal EPA and local regulation (800-424-9346 or 202-382-3000). |
| 13.2 Description of appropriate disposal containers to use | No data available |
| 13.3 Description of the physical and chemical properties that may affect disposal activities | Since emptied containers retain product residue, follow label warnings even after cont. is emptied. |
| 13.4 Language discouraging sewage disposal. | No data available |
| 13.5 Any special precautions for landfills or incineration activities | No data available |

14. TRANSPORT INFORMATION

| | |
|--------------------------------------|---|
| UN Number | UN 1139 |
| UN proper shipping name | Coating Solution |
| Transport hazard classes | Flammable Liquid |
| Packing group | II |
| Environmental hazards | Not determined |
| Guidance On transport in bulk | Not determined |
| Special precautions for user | Not determined |
| HS CODE: | 3301.30.0000 |
| AIR TRANSPORTATION: | Under the provisions of IATA, this material is suitable for air transportation. |



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15. REGULATORY INFORMATION

National and/or regional regulatory information of the chemical or mixtures

US Federal Regulations: Toxic substances control act (TSCA) Inventory – Yes

16. OTHER INFORMATION

Indications on the revision

Revision on 4th of January 2021:
Addition of all fields as required by regulation (US) HazCom 1910.1200 [HCS 2012].
Update of the classification information and update of related sections accordingly.

Abbreviations and acronyms used

CAS N^o.: Chemical Abstract Service Number
UN N^o.: United Nations Number

Methods of evaluation for the classification of mixtures

The classification of the mixture was set based on the regulation (US) HazCom 1910.1200 [HCS 2012].

Other information

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