



SAFETY DATA SHEET
PROMOTER
GRANICOAT® & BACKCOAT™

Version 1.1
Revision Date
07/16/2015

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
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1.6 Relevant use of the product

Applications	No data available
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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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information of basic physical and chemical properties

Appearance (physical state, colour, etc.) Liquid



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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

10. STABILITY AND REACTIVITY

10.1 Reactivity	No data available.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous	No data available.



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reactions

- 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

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).



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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

15. REGULATORY INFORMATION

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

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



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16. OTHER INFORMATION

Indications on the revision

Revision on 15th of May 2015:
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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