Safety Data Sheet

Dura-Coat 506F - Activador

Revision date: 04.18.2025

Section 1: Identification of the substance/mixture and the company/company

1.1. Product Identifier: Dura-Coat 506F Activator

1.2. Relevant identified uses of the substance or mixture and uses
Use of the substance/mixture
Dura-Coat polymer compound. It is blended with Dura-Coat 506F base to provide protection in corrosive environments.
Inappropriate uses
No information available

1.3. Safety Data Sheet Provider Details
Company Name: Dura-Coat Industrial, Inc.
Calle: 12481 NW 44th Street, Coral Springs FL, 33065 USA
Phone: +1 (561) 757-5620
e-mail: dura-coat@dura-coat.net
Internet: www.dura-coat.net

1.3. Emergency Phone: +1 (561) 757-5620

Section 2: Hazard Identification

2.1. Classification of the substance or mixture
Regulation (EC) No 1272/2008
Hazard Categories:
Skin corrosion/irritation: Skin irritation. 2
Respiratory or skin sensitization: Sens.Piel. 1
Hazardous to the aquatic environment: 2
Hazard Statements:
It causes skin irritation.
It can cause an allergic skin reaction.
Toxic to aquatic life with long-lasting effects.

2.2. Label Elements
Regulation (EC) No 1272/2008

Signal Word: Danger

Pictograms:

Hazard Statements
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye injuries.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic organisms, with long-lasting effects.
Precautionary Statements
Prevention:
P261 Avoid breathing dust/smoke/gas/mist/vapors/aerosols.
P264 Wash the skin thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P272 Contaminated work clothes must not leave the workplace.
P273 Avoid release into the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Answer:
P301 + P312 + P330 IF INGESTION: Call a doctor if you do not feel well. Rinse your mouth.
P301 + P330 + P331 IF INGESTION: Rinse mouth. Do not induce vomiting.
P303 + P361 + P353 IN CASE OF SKIN (or hair) contact: Remove all contaminated clothing immediately. Rinse the skin with water/shower.
P304 + P340 + P310 IN CASE OF INHALATION: Take the person outdoors and stay comfortable to breathe. Call a doctor immediately.
P305 + P351 + P338 + P310 IN CASE OF CONTACT WITH EYES: Rinse water with caution for several minutes. Remove contact lenses, if they are present and easy to make. Continue rinsing. Call a doctor immediately.
P333 + P313 If skin irritation or rash occurs: Consult a doctor.
P363 Wash contaminated clothing before rewearing.
Storage:
P405 Shop closed.
Layout:
P501 Dispose of the contents/container in an approved facility in accordance with local, regional, national, and international regulations.

2.3. Other hazards
This product is classified as hazardous as defined in the OSHA GHS hazard communication. Standard 29CFR1910. 1200.Health and safety hazards are detailed separately for Activator and Base ase. The final cured material is considered non-hazardous. When machining, refer to the safety data sheet precautions for Activator and Base.

Section 3: Composition/Ingredient Information

3.1 Substances
N/A
3.2 Mixtures

Component	CAS Number	Composition
Benzyl alcohol	100-51-6	1-25%
3-aminomethyl-3,5,5- trimethylcyclohexylamine	2855-13-2	1-5%
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3- epoxypropane, reaction products with mphenylenebis(methylamine)	110839-13-9	5-20%
m-phenylenebis(methylamine)	1477-55-0	1-5%

Silicones and Siloxanes	677762-90-7	1-5%
3-Glycidoxypropyltrimethoxysilane	2530-83-8	1-5%
Bauxite	92797-42-7	20-60%

The amounts specified are typical and do not represent a specification. The remaining components are proprietary, non-hazardous, and/or present in amounts below reportable limits. Exact percentage values for components are proprietary in accordance with 29 CFR 1910.1200(i).

Section 4: First Aid Measures

4.1. Description of first aid measures

General Information
Change contaminated and saturated clothing. In the event of an accident or discomfort, consult a doctor immediately (show instructions for use or safety data sheet if possible).
After inhalation
In case of inhalation, move the person to the fresh air and keep at rest in a comfortable position to breathe; if breathing is irregular, provide artificial respiration; if there are breathing difficulties, administer oxygen; get medical attention.
After skin contact
After contact with skin, wash immediately with plenty of soap and water. Seek medical advice immediately.
Do not wash with: Solvents/Thinner
After eye contact
Bathe the eye with running water for at least 15 minutes, lifting the upper and lower eyelids, then consult an ophthalmologist immediately.
After ingestion
If accidentally swallowed, rinse the mouth with plenty of water (only if the person is conscious) and get immediate medical attention.
DO NOT induce vomiting

4.2. The most important symptoms and effects, both acute and

Harmful if swallowed and inhaled; can cause severe skin burns and eye damage; Sensitizer.

4.3. Indication of any immediate medical attention and special treatment needed

First aid, decontamination, treatment of symptoms.
Eyewash stations and emergency showers should be available.

Section 5: Fire suppression measures

5.1. Means of extinguishing

Suitable extinguishing means
Dry extinguishing powder. Carbon dioxide (CO_2). Alcohol-resistant foam.
Inadequate extinguishing means
Full waterjet

5.2. Special hazards arising from the substance or mixture

Exposure to spoilage products can be harmful to health; Combustion products may include, but are not limited to: carbon monoxide, carbon dioxide, nitrogen oxides; the formation of hydrocarbon fragments is possible in the initial stages of fire (especially between 400°C and 700°C); Smoke can also contain particles of the original material.

5.3. Advice for firefighters

Wear protective firefighting clothing and self-contained positive pressure breathing apparatus to protect against potential harmful and/or irritating fumes. Move containers from the fire zone if you do so safely. Fire control water dam for subsequent disposal; prevent

runoff from entering the drains. Cool containers exposed to fire with running water. Do not use high-volume water jets on the fire, as this can spread the fire area. Coordinate firefighting measures for the fire environment.
Additional information: Collect contaminated firefighting water separately. Do not allow drains or surface water to enter.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Isolate area; ensure adequate ventilation; use appropriate personal protective equipment; avoid breathing fog, vapors, aerosol; avoid contact with skin, eyes and clothing; prevent unnecessary and unprotected personnel from entering the area involved. Local authorities should be informed if significant spills cannot be contained.

6.2. Environmental precautions
Do not allow surface water or drains to enter. Cover drains. Adverse effects on the environment

6.3. Containment and cleaning methods and equipment
Soak with sand, soil, diatomaceous earth, or other suitable inert absorbent material (e.g., sand, diatomaceous earth, acidic or universal bonding agents); collect in suitable waste disposal containers. Reuse uncontaminated material when possible. Wash the spill site with large amounts of water. Dispose of in accordance with applicable local and federal environmental control laws and regulations

6.4. Reference to other sections
See the protective measures provided for in points 7 and 8. Disposal: see section 13

Section 7: Handling and Storage

7.1. Precautions for safe handling
Ensure adequate ventilation. Avoid inhalation of steam, ingestion, and contact with skin, eyes, and clothing. Keep containers closed when not in use. Precautions also apply to empty containers. Do not eat, drink, or smoke in the work area. Wash thoroughly after handling. Personal protective equipment should be used during maintenance or repair of mixers, reactors, or other equipment containing the material.
Fire and explosion protection tips: Keep away from heat sources (e.g., hot surfaces), sparks, and open flames.

7.2. Secure storage conditions, including any incompatibilities
Warehouse and vessel requirements
Keep the container tightly closed in a cool, well-ventilated place. Keep/Store in the original container only. Store away from food and all incompatible material. Keep the container tightly closed when not in use.
Learn more about storage conditions
Keep away from: Moisture and heat incompatibilities:
Do not store together with strong oxidizing agents.

7.3. Specific end-use(s)
No information is available.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters
Occupational Exposure Limits: None Assigned
The recommended WEEL (Workplace Environmental Exposure Level) AIHA for benzyl alcohol is 10 ppm (8h-TWA) (45 mg/m3).

8.1.2 Recommended Follow-Up Procedures
If this product contains ingredients with exposure limits, a personal, environmental, or biological atmosphere may be necessary to determine the effectiveness of ventilation or other control measures and/or the need to use respiratory protective equipment.

Reference can be made to the European standard EN 689 for methods for the assessment of inhalation exposure to chemical agents for the determination of hazardous substances.

8.2. Exposure controls

Proper engineering controls

Provide adequate ventilation as well as local exhaustion in critical locations

Protection and hygiene measures

Work in well-ventilated areas or use appropriate respiratory protection. Just wear fit, comfortable and clean protective clothing. Avoid contact with skin, eyes, and clothing. Wash your hands and face before breaks and after work and take a shower if necessary.

Eye/Face Protection

Adequate eye protection: Glasses with side protection (glasses). See OSHA 29CFR1910.133 and European Standard EN166.

Hand protection

Nitrile or butyl gloves should be worn.

Skin protection

Wear waterproof clothing as needed to protect against contact with the product. The need for boots, apron, face shield, etc. will depend on the hazards presented in the work process. See standards CFR1910.132 and CFR1910.136 for OSHA-approved standards for protective clothing and footwear.

Respiratory protection

Personal respiratory protection is usually not needed. If technical escape or ventilation measures are not possible or insufficient, respiratory protection should be worn. Combined filtering device (EN 14387) A-P3. Self-contained ventilator (respiratory system) (DIN EN 133).

Other Protective Equipment: The type and degree of appropriate personal protective equipment will depend on the specific work operation. Eyewash stations and emergency showers should be available. Inspect and replace personal protective equipment on a regular basis: use professional care in its selection, use, and care.

8.3 Environmental Exposure Controls

Take all precautions to avoid contamination of soil and waterways.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

9.1.1 General Information:

Appearance: Viscous Liquid
Color: Beige/Blanco
Odor Type: Mild amine-like
Odor Threshold: No data available

9.1.2 Important health, safety and environmental information:

Boiling Point: >205°C (>401°F)
Melting Point: No data available
Flash Point: >117°C (>243°F) (cc)
Self-ignition temperature: No data available
Decomposition Temperature: No data available
Flammability Limits (Lower/Upper): No data available
Vapor Pressure: No data available
Vapour density (Air = 1): No data available
Evaporation rate (BuAc-1): No data available
Specific Gravity: 1.52
Water Solubility: Partially soluble
pH: No data available

Viscosity: 2500-7000 cp. at 25°C
Explosive properties: Non-explosive
Oxidizing properties: Not determined
Molecular Formula: (Mixing)
VOC Content: <1%

9.2. Other Information No Information Available

Section 10: Stability and Reactivity

10.1. Reactivity
There are no known hazardous reactions under normal use and storage.
10.2. Chemical stability
It does not break down when used for intended uses. No known hazardous decomposition products
10.3. Possibility of dangerous reactions
Mixtures with strongly acidic materials. they can produce an exothermic reaction.
10.4. Conditions to avoid
Keep away from heat sources (e.g., hot surfaces), sparks, and open flames.
10.5. Incompatible Materials
Acids, oxidizing agents, epoxies, isocyanates.
10.6. Hazardous decomposition products
Does not break down when used for intended uses
Thermal decomposition will generate carbon monoxide, carbon dioxide, and nitrogen oxides.

Section 11: Toxicological Information

11.1. Information on toxicological effects
Acute oral toxicity: LD50 (rat): 690 mg/kg (ATE)
Acute dermal toxicity: LD50 (rabbit): 2188 mg/kg (ATE)
Acute inhalation toxicity: LD50 (rabbit): >900 mg/m3 (salicylic acid)
Skin Corrosion/Irritation: Draize Test: Rabbit/Skin: Irritant
Serious Eye Damage/Irritation: Draize Test: Rabbit/Eye: Irritant
Skin sensitization (guinea pig): Sensitizer
Germ cell mutagenicity: Not classified as mutagenic
Carcinogenicity: Not classified as carcinogenic. It is not listed on the OSHA/NTP/IARC list.
Reproductive toxicity: Not classified as toxic to reproduction
Target Organ Specific Toxicity - Single Exposure (STOT-se): Product not classified based on available data.
Target Organ Specific Toxicity - Repeated Exposure (STOT-re): Can cause damage to the liver and skeletal muscles through prolonged or repeated oral exposure.
NOAEL: (oral, rat): 15 mg/kg body weight per day.
Aspiration hazard: Aspiration that occurs during vomiting can cause lung damage.
Possible health effects:
Skin contact: May cause irritation, itching, redness, inflammation; may be absorbed through the skin gain CNS effects; may cause an allergic reaction.
Eye contact: Causes serious eye damage; fumes are irritating and can cause eye damage; contact can cause severe burns and permanent damage to the eyes, including blindness.
Ingestion: Harmful if swallowed; can cause serious and permanent damage to the mouth, throat and stomach; matting leads to perforation of the intestine.
Inhalation: Harmful if inhaled; may cause severe irritation of the respiratory tract; may cause CNS symptoms including headache, nausea, brain fog, blurred vision, fatigue, dizziness, and loss of coordination; prolonged overexposure may cause respiratory failure.
Chronic health effects:

Skin sensitizer: Once sensitized, a severe allergic reaction can occur when subsequently exposed to extremely low levels. After repeated oral exposure in high doses, the substance causes adverse effects on the liver, kidneys.

Additional data:

RTECS No. GV5020833 (PACM)
RTECS No. DN3150000 (Benzyl Alcohol)
RTECS No. VO0525000 (salicylic acid)

Section 12: Ecological Information

12.1. Toxicity

12.1.1 Acute/prolonged toxicity to fish

LC50 (freshwater fish) (96-hr): 10 mg/l (ATE)

12.1.2 Acute/prolonged toxicity to aquatic invertebrates

EC50(Daphnia magna) (48-hr): 10 mg/l (ATE)

12.1.3 Acute/prolonged toxicity to aquatic plants

EC50(algae)(72-hr): 16 mg/l (ATE)

12.1.4 Toxicity to bacteria, soil-dwelling organisms and terrestrial plants

No data available

12.1.5 Chronic toxicity to aquatic organisms

Long-lasting adverse effects on aquatic organisms.

12.1.6 General effect

Harmful to aquatic life with long-lasting effects.

12.2 Persistence and degradability

It is not easily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility on the ground

No data available; Do not allow the product to enter the soil/subfloor.

12.5 Results of the pbt and vPvB assessment (EC reg. 453/2010)

Product not classified as persistent, bioaccumulative and toxic
Product not classified as very persistent or very bioaccumulative
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

12.6 German WGK Classification

WGK No. 1 (Self-Assessment)

12.7 Other adverse effects

Neutralization may be necessary before discharge to wastewater treatment plants.

Section 13: Disposal Considerations

13.1. Waste treatment methods

Disposal advice

Dispose of waste in accordance with applicable law. Do not discharge into land, sewers, or waterways. Incinate or otherwise dispose of in compliance with all applicable federal, state, and local environmental control laws and regulations. Characterization of waste in accordance with RCRA guidelines and compliance with applicable laws are the sole responsibility of the waste generator.

Contaminated packaging

Uncontaminated packaging can be recycled. Dispose of waste in accordance with applicable law.

Section 14: Transportation Information

14.1 Description of the shipment

Non-hazardous material
Unregulated

DOT Correct Shipment Description: Unregulated
IMDG: Unregulated
IATA: Not regulated

Section 15: Regulatory Information

15.1. Safety, health and environmental standards/legislation specific to the substance or mixture

Sara Title III Section 311/312 (40CFR370): Acute toxicity, skin corrosion or irritation, serious eye injury, or eye irritation.
SARA Title III Section 313 (40CFR372): No Reportable Components
CERCLA Status (40CFR302): No reportable component (Release of a hazardous substance into the environment in an amount that is equal to or greater than its reportable quantity (RQ) requires notification to the National Response Center at 800-424-8802.)
RCRA Status (40CFR261): Not Listed
OSHA/NTP/IARC Carcinogen Status: Not Listed
TSCA Inventory Status: Reported/Included
Canadian DSL Status: Reported/Included
Canadian WHMIS Status: D2B, E
Chemicals known to the state of California to cause cancer or reproductive toxicity: None are known to be in the product at levels that require a warning.
Annex REACH XIV (SVHC)
No components listed
REACH Annex XVII (Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles)
No components listed
REACH Status (EC 1907/2006): This material has been registered, pre-registered, or is otherwise exempt from registration under the Registration, Evaluation, and Authorization of Chemicals**.**

15.2. Chemical safety assessment
Not available

Section 16: Other Information

HMIS Ratings:
Health: 2
Flammability: 1
Reactivity: 0
(The selection of personal protective equipment is best assigned by the user after a hazard is carried out evaluation of the product, as it must be used in the specific work process.)

National chemical inventories - All components of this product are listed in the following chemical inventories:
TSCA (United States)
DSL (Canada)
EINECS (Europe)
ENCS (Japan)
ECL (Korea)
AICS (Australia)
PICCS (Philippines)
IECSC (China)
NZIoC (New Zealand)

Abbreviations and acronyms:
ADR: European Agreement on the Carriage of Dangerous Goods by Road
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
ACGIH American Conference of Governmental Industrial Hygienists

AICS Australian Chemicals Inventory
American Industrial Hygiene Association
ATE Acute Toxicity Estimation
RID: International Council for the Transport of Dangerous Goods by Rail
(Regulations concerning the International Carriage of Dangerous Goods by Rail)
IMDG: International Maritime Dangerous Goods Code
BfR Bundesinstitut f'r Risikobewertung recommendations for food contact materials
BCF Bioconcentration Factor
CAS: Abstract Chemical Service (division of the American Chemical Society)
Comprehensive Law on Environmental Response, Compensation and Environmental Responsibility of CERCLA
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DOT Department of Transportation
DNEL: Level with no derived effect
DSL Household Substance List
EINECS European Inventory of Existing Chemicals
List of Existing Chemicals from ECL (Korea)
EC50: Effective concentration, 50 percent
ENCS Inventory of Existing and New Chemicals (Japan)
EN 689 Workplace Atmospheres – Guidance for Inhalation Exposure Assessment
chemical agents for comparison with limit values and measurement strategy
ERG Emergency Response Guide
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
HMIS Hazardous Materials Information System
IARC International Agency for Research on Cancer
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions of the "International Civil Aviation Organization" (ICAO)
IDLH Immediately Dangerous to Life and Health
IMDG International Maritime Dangerous Goods
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
MAK Maximum Workplace Concentration
NOAEL There is no observable level of adverse effect
NTP National Toxicology Program
OEL Occupational Exposure Limit
OSHA Occupational Safety and Health Administration
Persistent, Bioaccumulative and Toxic PBT
PNEC: Concentration with no predicted effect
vPvB: very persistent and very bioaccumulative
PEL Permissible Exposure Limit
PICCS Philippine Inventory of Commercial Chemicals
PNEC Forecasts Concentration No Effect
REACH Registration, Evaluation and Authorization of Chemicals
RID International Transport of Dangerous Goods by Rail
SARA Superfund Amendments and Reauthorization Act
STEL Short-Term Exposure Limit
SVHC Substance of Very High Concern
TLV threshold limit value
TSCA Toxic Substances Control Act

TWA Time Weighted Average
VOCs Volatile Organic Compound
WEEL Workplace Environmental Exposure LEVEL
WGK Wassergefahrdungsklasse (Water Hazard Class)
WHMIS Workplace Hazardous Materials Identification System

Disclaimer

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE PRODUCT ITSELF AND WHILE DURA COAT INDUSTRIAL INC BELIEVES THAT SUCH SOURCES ARE RELIABLE, THE INFORMATION IS PROVIDED WITHOUT WARRANTY AS TO ITS CORRECTNESS. THE INFORMATION OR RECOMMENDATIONS CONTAINED HEREIN ARE BASED ON THE STANDARD PRODUCT AND ARE OWNED AND FURNISHED SOLELY FOR THE USE OF OUR CUSTOMERS. THIS INFORMATION IS PROVIDED IN GOOD FAITH AND IS BELIEVED TO BE TRUE AND ACCURATE AS OF THE DATE SHOWN ABOVE. USERS ARE ADVISED TO CONDUCT THEIR OWN TESTS AND HAZARD ASSESSMENTS TO DETERMINE THE SAFETY, SUITABILITY AND RELEVANCE OF THE LAW APPLICABLE TO THE PRODUCT AS IT MUST BE USED BY THEM. SINCE DURA-COAT INDUSTRIAL INC HAS NO CONTROL OVER THE CONDITIONS UNDER WHICH THE PRODUCT IS USED, NO RESPONSIBILITY IS ASSUMED FOR EXCEEDING THE REPLACEMENT OR REFUND OF THE PURCHASE PRICE OF THIS PRODUCT. EXCEPT AS SET FORTH HEREIN, THERE ARE NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. DURA-COAT INDUSTRIAL INC ASSUMES NO LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL INJURY OR DAMAGE ARISING FROM THE STORAGE, HANDLING, OR USE OR, DISPOSAL OF THIS PRODUCT.

The manufacturer, Dura-Coat Industrial Inc., makes no express or implied warranties, including warranties of merchantability or fitness for a particular purpose for this product. Under no circumstances shall the manufacturer be liable for incidental, consequential, or other damages, breach of warranty, strict liability, or any other theory arising out of the use of this product. The information and recommendations contained herein are based on the Standard Product and are proprietary and provided solely for the use of our customers. This information is provided in good faith and is believed to be true and accurate as of the date/version hereof. As the manufacturer has no control over the conditions of use or the ordering process of the parts using this product, the manufacturer cannot accept liability for loss, injury or other damage resulting from the use of the Product or this or any other information provided by the manufacturer. Therefore, no warranties of any kind, express or implied, are made by the manufacturer, Dura-Coat Industrial Inc., with respect to this, or any, product manufactured by them or any contracted or licensed manufacturer. DURA-COAT® Epoxy products do not provide structural integrity or enhancements. They are only used to provide protection against corrosion, wear, abrasion and chemical attack on a given substrate and only to the extent provided for in the technical data sheets, data sheets, safety data sheets and any other information supplied in writing directly from the manufacturers' technical support.

Safety Data Sheet

Dura-Coat 506F–Base

Revision date: 04.18.2025

Section 1: Identification of the substance/mixture and the company/company

1.1. Product Identifier: Dura-Coat 506F base

1.2. Relevant identified uses of the substance or mixture and uses

Use of the substance/mixture

Dura-Coat polymer compound. It is mixed with Dura-Coat 506F activator to provide protection in corrosive environments.

Inappropriate uses

No information available

1.3. Safety Data Sheet Provider Details

Company Name: Dura-Coat Industrial Inc.
Calle: 12481 NW 44th Street, Coral Springs FL, 33065 USA
Phone: +1 (561) 757-5620
e-mail: dura-coat@dura-coat.net
Internet: www.dura-coat.net

1.3. Emergency Phone: +1 (561) 757-5620

Section 2: Hazard Identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Hazard Categories:
Skin corrosion/irritation: Skin irritation. 2
Respiratory or skin sensitization: Sens.Piel 1
Hazardous to the aquatic environment: Aquatic Chronic 2
Hazard Statements:
It causes skin irritation.
It can cause an allergic skin reaction.
Toxic to aquatic life with long-lasting effects.

2.2. Label Elements

Regulation (EC) No 1272/2008

Signal Word: Warning

Pictograms:

Hazard Statements

H315 Causes skin irritation.
H317 may cause an allergic skin reaction.
H319 Causes severe eye irritation.
H411 Toxic to aquatic life with long-lasting effects.

Precautionary statements
P261 Avoid breathing mist/vapors/spray.
P264 Wash hands and skin contact areas thoroughly after handling.
P272 Contaminated work clothes should not be allowed to leave the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P302 + P352 IN CASE OF SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IN CASE OF EYES: Rinse carefully with water for several minutes.
Remove contact lenses if they are present and easy to make - continue rinsing.
P333 + P313 If skin irritation or rash occurs: Consult a doctor.
P337 + P313 If eye irritation persists: Consult a doctor.
P362 Remove contaminated clothing and wash it before reusing it.
P391 Collect spills.
P501 Dispose of the contents/container through a waste management company licensed by the local government.

2.3. Other hazards
This product is classified as hazardous as defined in GHS OSHA Hazard Communication Standard 29CFR1910. 1200.Health and safety hazards are detailed separately for Activator and Base ase. The final cured material is considered non-hazardous. When machining, refer to the safety data sheet precautions for Activator and Base. and B

Section 3: Composition/Ingredient Information

3.1 Substances
N/A
3.2 Mixtures

Component	CAS Number	Composition
Bisphenol A Resin	1675-54-3	30-80%
Silicones and siloxanes	677762-90-7	1-5%
Iron Oxide	1317-61-9	1-5%
3-Glycidoxypropyltrimethoxysilane	2530-83-8	1-5%
Bauxite	92797-42-7	30-60%

The amounts specified are typical and do not represent a specification. The remaining components are proprietary, non-hazardous, and/or present in amounts below reportable limits. Exact percentage values for components are proprietary in accordance with 29 CFR 1910.1200(i).
Occupational exposure limits, if available, are listed in Section 8.

Section 4: First Aid Measures

4.1. Description of first aid measures
General Information
Change contaminated and saturated clothing. In the event of an accident or discomfort, consult a doctor immediately (show instructions for use or safety data sheet if possible).
After inhalation

In case of inhalation, move the person to the fresh air and keep at rest in a comfortable position to breathe; if breathing is irregular, provide artificial respiration; if there are breathing difficulties, administer oxygen; get medical attention.

After skin contact

After contact with skin, wash immediately with plenty of soap and water. Seek medical advice immediately.

Do not wash with: Solvents/Thinner

After eye contact

Bathe the eye with running water for at least 15 minutes, lifting the upper and lower eyelids, then consult an ophthalmologist immediately.

After ingestion

If accidentally swallowed, rinse the mouth with plenty of water (only if the person is conscious) and get immediate medical attention.

DO NOT induce vomiting

4.2. The most important symptoms and effects, both acute and

Harmful if swallowed and inhaled; can cause severe skin burns and eye damage; Sensitizer.

4.3. Indication of any immediate medical attention and special treatment needed

First aid, decontamination, treatment of symptoms.

Eyewash stations and emergency showers should be available.

Section 5: Fire suppression measures

5.1. Means of extinguishing

Suitable extinguishing means

Dry extinguishing powder. Carbon dioxide (CO_2). Alcohol-resistant foam.

Inadequate extinguishing means

Full waterjet

5.2. Special hazards arising from the substance or mixture

Exposure to spoilage products can be harmful to health; Combustion products may include, but are not limited to: carbon monoxide, carbon dioxide, nitrogen oxides; the formation of hydrocarbon fragments is possible in the initial stages of fire (especially between 400°C and 700°C); Smoke can also contain particles of the original material.

5.3. Advice for firefighters

Wear protective firefighting clothing and self-contained positive pressure breathing apparatus to protect against potential harmful and/or irritating fumes. Move containers from the fire zone if you do so safely. Fire control water dam for subsequent disposal; prevent runoff from entering the drains. Cool containers exposed to fire with running water. Do not use high-volume water jets on the fire, as this can spread the fire area. Coordinate firefighting measures for the fire environment.

Additional information: Collect contaminated firefighting water separately. Do not allow drains or surface water to enter.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Isolate area; ensure adequate ventilation; use appropriate personal protective equipment; avoid breathing fog, vapors, aerosol; avoid contact with skin, eyes and clothing; prevent unnecessary and unprotected personnel from entering the area involved. Local authorities should be informed if significant spills cannot be contained.

6.2. Environmental precautions

Do not allow surface water or drains to enter. Cover drains. Adverse effects on the environment

6.3. Containment and cleaning methods and equipment

Soak with sand, soil, diatomaceous earth, or other suitable inert absorbent material (e.g., sand, diatomaceous earth, acidic or universal bonding agents); collect in suitable waste disposal containers. Reuse uncontaminated material when possible. Wash the spill site with large amounts of water. Dispose of in accordance with applicable local and federal environmental control laws and regulations

6.4. Reference to other sections

See the protective measures provided for in points 7 and 8. Disposal: see section 13

Section 7: Handling and Storage

7.1. Precautions for safe handling

Ensure adequate ventilation. Avoid inhalation of steam, ingestion, and contact with skin, eyes, and clothing. Keep containers closed when not in use. Precautions also apply to empty containers. Do not eat, drink, or smoke in the work area. Wash thoroughly after handling. Personal protective equipment should be used during maintenance or repair of mixers, reactors, or other equipment containing the material.

Fire and explosion protection tips: Keep away from heat sources (e.g., hot surfaces), sparks, and open flames.

7.2. Secure storage conditions, including any incompatibilities

Warehouse and vessel requirements

Keep the container tightly closed in a cool, well-ventilated place. Keep/Store in the original container only. Store away from food and all incompatible material. Keep the container tightly closed when not in use.

Learn more about storage conditions

Keep away from: Moisture and heat incompatibilities: **Do not store together with strong oxidizing agents.**

7.3. Specific end-use(s)

No information is available.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Occupational Exposure Limits: None Assigned

The recommended WEEL (Workplace Environmental Exposure Level) AIHA for benzyl alcohol is 10 ppm (8h-TWA) (45 mg/m3).

8.1.2 Recommended Follow-Up Procedures

If this product contains ingredients with exposure limits, a personal, environmental, or biological atmosphere may be necessary to determine the effectiveness of ventilation or other control measures and/or the need to use respiratory protective equipment.

Reference can be made to the European standard EN 689 for methods for the assessment of inhalation exposure to chemical agents for the determination of hazardous substances.

8.2. Exposure controls

Proper engineering controls

Provide adequate ventilation as well as local exhaustion in critical locations

Protection and hygiene measures

Work in well-ventilated areas or use appropriate respiratory protection. Just wear fit, comfortable and clean protective clothing. Avoid contact with skin, eyes, and clothing. Wash your hands and face before breaks and after work and take a shower if necessary.

Eye/Face Protection

Adequate eye protection: Glasses with side protection (glasses). See OSHA 29CFR1910.133 and European Standard EN166.

Hand protection

Nitrile or butyl gloves should be worn.

Skin protection

Wear waterproof clothing as needed to protect against contact with the product. The need for boots, apron, face shield, etc. will depend on the hazards presented in the work process. See standards CFR1910.132 and CFR1910.136 for OSHA-approved standards for protective clothing and footwear.

Respiratory protection

Personal respiratory protection is usually not needed. If technical escape or ventilation measures are not possible or insufficient, respiratory protection should be worn. Combined filtering device (EN 14387) A-P3. Self-contained ventilator (respiratory system) (DIN EN 133).

Other Protective Equipment: The type and degree of appropriate personal protective equipment will depend on the specific work operation. Eyewash stations and emergency showers should be available. Inspect and replace personal protective equipment on a regular basis: use professional care in its selection, use, and care.

8.3 Environmental Exposure Controls

Take all precautions to avoid contamination of soil and waterways.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

9.1.1 General Information:

Appearance: Viscous Liquid
Color: Beige/Blanco
Odor Type: Mild amine-like
Odor Threshold: No data available

9.1.2 Important health, safety and environmental information:

Boiling Point: >205°C (>401°F)
Melting Point: No data available
Flash Point: >200°C (>392°F) (cc)
Auto inflation temperature: No data available
Decomposition Temperature: No data available
Flammability Limits (Lower/Upper): No data available
Vapor Pressure: No data available
Vapor Density (Air = 1): No data available
Evaporation rate (BuAc-1): No data available
Specific Gravity: 1.62
Water Solubility: Partially soluble
pH: No data available
Viscosity: 2000-6000 cp. at 25°C
Explosive properties: Non-explosive
Oxidizing properties: Not determined
Molecular Formula: (Mixing)
VOC Content: <1%

9.2. Other Information No Information Available

Section 10: Stability and Reactivity

10.1. Reactivity

There are no known hazardous reactions under normal use and storage.

10.2. Chemical stability

It does not break down when used for intended uses. No known hazardous decomposition products

10.3. Possibility of dangerous reactions

Mixtures with strongly acidic materials, they can produce an exothermic reaction.

10.4. Conditions to avoid

Keep away from heat sources (e.g., hot surfaces), sparks, and open flames.

10.5. Incompatible Materials

Acids, oxidizing agents, epoxies, isocyanates.

10.6. Hazardous decomposition products

Does not break down when used for intended uses

Thermal decomposition will generate carbon monoxide, carbon dioxide, and nitrogen oxides.

Section 11: Toxicological Information

11.1. Information on toxicological effects

Acute oral toxicity: LD50 (rat): 690 mg/kg (ATE)

Acute dermal toxicity: LD50 (rabbit): 2188 mg/kg (ATE)

Acute inhalation toxicity: LD50 (rabbit): >900 mg/m3 (salicylic acid)

Skin Corrosion/Irritation: Draize Test: Rabbit/Skin: Irritant

Serious Eye Damage/Irritation: Draize Test: Rabbit/Eye: Irritant

Skin sensitization (guinea pig): Sensitizer

Germ cell mutagenicity: Not classified as mutagenic

Carcinogenicity: Not classified as carcinogenic. It is not listed on the OSHA/NTP/IARC list.

Reproductive toxicity: Not classified as toxic to reproduction

Target Organ Specific Toxicity - Single Exposure (STOT-se): Product not classified based on available data.

Target Organ Specific Toxicity - Repeated Exposure (STOT-re): Can cause damage to the liver and skeletal muscles through prolonged or repeated oral exposure.

NOAEL: (oral, rat): 15 mg/kg body weight per day.

Aspiration hazard: Aspiration that occurs during vomiting can cause lung damage.

Possible health effects:

Skin contact: May cause irritation, itching, redness, inflammation; may be absorbed through the skin gain CNS effects; may cause an allergic reaction.

Eye contact: Causes serious eye damage; fumes are irritating and can cause eye damage; contact can cause severe burns and permanent damage to the eyes, including blindness.

Ingestion: Harmful if swallowed; can cause serious and permanent damage to the mouth, throat and stomach; matting leads to perforation of the intestine.

Inhalation: Harmful if inhaled; may cause severe irritation of the respiratory tract; may cause CNS symptoms including headache, nausea, brain fog, blurred vision, fatigue, dizziness, and loss of coordination; prolonged overexposure may cause respiratory failure.

Chronic health effects:

Skin sensitizer: Once sensitized, a severe allergic reaction can occur when subsequently exposed to extremely low levels. After repeated oral exposure in high doses, the substance causes adverse effects on the liver, kidneys.

Additional data:

RTECS No. GV5020833 (PACM)

RTECS No. DN3150000 (Benzyl Alcohol)

RTECS No. VO0525000 (salicylic acid)

Section 12: Ecological Information

12.1. Toxicity

12.1.1 Acute/prolonged toxicity to fish

LC50 (freshwater fish) (96-hr): 10 mg/l (ATE)

12.1.2 Acute/prolonged toxicity to aquatic invertebrates

EC50(Daphnia magna) (48-hr): 10 mg/l (ATE)

12.1.3 Acute/prolonged toxicity to aquatic plants

EC50(algae)(72-hr): 16 mg/l (ATE)

12.1.4 Toxicity to bacteria, soil-dwelling organisms and terrestrial plants

No data available

12.1.5 Chronic toxicity to aquatic organisms

Long-lasting adverse effects on aquatic organisms.

12.1.6 General effect

Harmful to aquatic life with long-lasting effects.

12.2 Persistence and degradability

It is not easily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility on the ground

No data available; Do not allow the product to enter the soil/subfloor.

12.5 Results of the pbt and vPvB assessment (EC reg. 453/2010)

Product not classified as persistent, bioaccumulative and toxic

Product not classified as very persistent or very bioaccumulative

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

12.6 German WGK Classification

WGK No. 1 (Self-Assessment)

12.7 Other adverse effects

Neutralization may be necessary before discharge to wastewater treatment plants.

Section 13: Disposal Considerations

13.1. Waste treatment methods

Disposal advice

Dispose of waste in accordance with applicable law. Do not discharge into land, sewers, or waterways. Incinate or otherwise dispose of in compliance with all applicable federal, state, and local environmental control laws and regulations. Characterization of waste in accordance with RCRA guidelines and compliance with applicable laws are the sole responsibility of the waste generator.

Contaminated packaging

Uncontaminated packaging can be recycled. Dispose of waste in accordance with applicable law.

Section 14: Transportation Information

14.1 Description of the shipment

Non-hazardous material

Unregulated

DOT Correct Shipment Description: Unregulated

IMDG: Unregulated

IATA: Not regulated

Section 15: Regulatory Information

15.1. Safety, health and environmental standards/legislation specific to the substance or mixture

Sara Title III Section 311/312 (40CFR370): Acute toxicity, skin corrosion or irritation, serious eye injury, or eye irritation.

SARA Title III Section 313 (40CFR372): No Reportable Components

CERCLA Status (40CFR302): No reportable component (Release of a hazardous substance into the environment in an amount that is equal to or greater than its reportable quantity (RQ) requires notification to the National Response Center at 800-424-8802.)

RCRA Status (40CFR261): Not Listed

OSHA/NTP/IARC Carcinogen Status: Not Listed

TSCA Inventory Status: Reported/Included

Canadian DSL Status: Reported/Included
Canadian WHMIS Status: D2B, E
Chemicals known to the state of California to cause cancer or reproductive toxicity: None are known to be in the product at levels that require a warning.
Annex REACH XIV (SVHC)
No components listed
REACH Annex XVII (Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles)
No components listed
REACH Status (EC 1907/2006): This material has been registered, pre-registered, or is otherwise exempt from registration under the Registration, Evaluation, and Authorization of Chemicals.

15.2. Chemical safety assessment
Not available

Section 16: Other Information

HMIS Ratings:
Health: 2
Flammability: 1
Reactivity: 0
(The selection of personal protective equipment is best assigned by the user after a hazard is carried out evaluation of the product, as it must be used in the specific work process.)

National chemical inventories - All components of this product are listed in the following chemical inventories:
TSCA (United States)
DSL (Canada)
EINECS (Europe)
ENCS (Japan)
ECL (Korea)
AICS (Australia)
PICCS (Philippines)
IECSC (China)
NZIoC (New Zealand)

Abbreviations and acronyms:
ADR: European Agreement on the Carriage of Dangerous Goods by Road
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
ACGIH American Conference of Governmental Industrial Hygienists
AICS Australian Chemicals Inventory
American Industrial Hygiene Association
ATE Acute Toxicity Estimation
RID: International Council for the Transport of Dangerous Goods by Rail
(Regulations concerning the International Carriage of Dangerous Goods by Rail)
IMDG: International Maritime Dangerous Goods Code
BfR Bundesinstitut f'r Risikobewertung recommendations for food contact materials
BCF Bioconcentration Factor
CAS: Abstract Chemical Service (division of the American Chemical Society)
Comprehensive Law on Environmental Response, Compensation and Environmental Responsibility of CERCLA
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DOT Department of Transportation

DNEL: Level with no derived effect
DSL Household Substance List
EINECS European Inventory of Existing Chemicals
List of Existing Chemicals from ECL (Korea)
EC50: Effective concentration, 50 percent
ENCS Inventory of Existing and New Chemicals (Japan)
EN 689 Workplace Atmospheres – Guidance for Inhalation Exposure Assessment
chemical agents for comparison with limit values and measurement strategy
ERG Emergency Response Guide
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
HMIS Hazardous Materials Information System
IARC International Agency for Research on Cancer
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions of the "International Civil Aviation Organization" (ICAO)
IDLH Immediately Dangerous to Life and Health
IMDG International Maritime Dangerous Goods
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
MAK Maximum Workplace Concentration
NOAEL There is no observable level of adverse effect
NTP National Toxicology Program
OEL Occupational Exposure Limit
OSHA Occupational Safety and Health Administration
Persistent, Bioaccumulative and Toxic PBT
PNEC: Concentration with no predicted effect
vPvB: very persistent and very bioaccumulative
PEL Permissible Exposure Limit
PICCS Philippine Inventory of Commercial Chemicals
PNEC Forecasts Concentration No Effect
REACH Registration, Evaluation and Authorization of Chemicals
RID International Transport of Dangerous Goods by Rail
SARA Superfund Amendments and Reauthorization Act
STEL Short-Term Exposure Limit
SVHC Substance of Very High Concern
TLV threshold limit value
TSCA Toxic Substances Control Act
TWA Time Weighted Average
VOCs Volatile Organic Compound
WEEL Workplace Environmental Exposure LEVEL
WGK Wassergefahrdungsklasse (Water Hazard Class)
WHMIS Workplace Hazardous Materials Identification System

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