

Rubbond RSA60

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer TWC Rajsha Chemicals Private, Ltd. 637 Lamdapura Road, At Manjusar, Ta Savli, Dist Vadodara 391775, Gujarat, India Tel: +91 96620 49271	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Rubbond RSA60	Chemical Name: Resorcinol Stearic Acid Melt
Relevant identified uses of the substance or mixture and uses advised against: No additional information available.	Use of the Substance/mixture: Adhesion promoter, resorcinol donor
Issued By: Sovereign Chemical Company (Distributor) 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: April 1, 2025

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS

Hazard Pictograms (CLP)	:	 GHS05,  GHS07,  GHS08,  GHS09
Signal Word	:	Danger
Hazard statements (CLP)	:	H302 – Harmful if swallowed, Category 4 H315 - Causes skin irritation, Category 2 H318 - Causes serious eye irritation, Category 1 H371 – May cause damage to organs, Category 2 H400 – Very toxic to aquatic life, Category 1 H412 – Harmful to aquatic life with long lasting effects. Category 3
Precautionary statements (CLP)	:	P264 – Wash face and hands thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P301 + P312 – If swallowed, call a poison center or doctor. P330 – Rinse mouth. P501 – Dispose of contents / container appropriately in accordance with local / regional / national / international regulations. P280 - Wear protective clothing. P302+P352 - IF ON SKIN: Wash with plenty of water. P332+P313 - IF SKIN irritation occurs: Get medical advice/attention. P362 - Take off contaminated clothing and wash before reuse. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – immediately call a POISON center or doctor.
 P260 – Do not breathe (dust / fume / gas / mist / vapors / spray).
 P309 + P311 - IF exposed or if you feel unwell: call a POISON CENTER or doctor/physician.
 P405 – Store locked up.
 P273 – Avoid release to environment.
 P391 – Collect spillage.

Other Hazard : No additional information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS No	EC No	Weight %	Classification
Resorcinol,(1,3-benzenediol)	108-46-3	203-585-2	58-62	H302 – Harmful if swallowed, Category 4 H315 - Causes skin irritation, Category 2 H318 - Causes serious eye irritation, Category 1 H371 – May cause damage to organs, Category 2 H400 – Very toxic to aquatic life, Category 1 H412 – Harmful to aquatic life with long lasting effects. Category 3
Stearic Acid	57-11-4	200-313-4	38-42	Not classified

4. FIRST AID MEASURES

Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Seek immediate medical advice. Get medical advice/attention. Specific treatment (see Rinse immediately with plenty of water (for at least 15 minutes), After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water., IF IN EYES: Rinse

cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms effects: May cause irritation to the respiratory tract. Causes skin irritation. Causes serious eye irritation. Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

General: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing agents: Do not use a heavy water stream.

Special hazards arising from the substance or mixture

General: May form explosive dust-air mixtures when powder finely dispersed in air.

Hazardous decomposition products: Carbon dioxide. Carbon monoxide.

Advice for firefighters

General: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Use self-contained breathing apparatus when in close proximity to fire. Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES*Personal precautions, protective equipment and emergency procedures*

Non-emergency personnel: Wear protective gloves and eye/face protection. Evacuate unnecessary personnel. Stop leak, if possible, without risk. Dust deposited may be vacuum cleaned or the area hosed down with water.

Emergency personnel: Equip cleanup crew with proper protection. Ventilate area.

Environmental precautions

General: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

General: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Reference to other sections

General: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7. HANDLING AND STORAGE*Precautions for safe handling*

Protective measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Minimize generation of dust.

General occupational hygiene: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Use approved industrial vacuum cleaner for removal. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee hazards training. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well-ventilated place away from : Heat sources. Keep container closed when not in use.

Specific end use(s)

General: Not applicable

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Occupational exposure limits: Not available

Additional exposure limits: Not available

DNEL /DMEL and PNEC Values

Resorcinol, 1.3 benzenediol (CAS: 108-46-3)		
France	Local Name	Resorcinol
France	VME (mg/m ³)	45
France	VME (ppm)	10
United Kingdom	Local Name	Resorcinol
United Kingdom	WEL TWA (mg/m ³)	46
United Kingdom	WEL TWA (ppm)	10
United Kingdom	WEL STEL (mg/m ³)	92
United Kingdom	WEL STEL (ppm)	20
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
USA	Local Name	Resorcinol
USA	ACGIH TWA (ppm)	10
USA	ACGIH STEL (ppm)	20
USA	Remark (ACIGH)	Eye & Skin Irritation

Exposure controls

Appropriate engineering controls: Avoid all unnecessary exposure.

Protective clothing: Use multi-purpose combination (US) or type ABEK (EN) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection: Chemical goggles or safety glasses.

Hand protection: Wear protective gloves.

Body protection: Wear suitable protective clothing.

Respiratory protection: Avoid breathing dust/fume/gas/mist/vapors/spray. Wear appropriate mask. Respirators should be used in accordance with

OSHA requirements (29 CFR 1910.134). (NIOSH-approved). In case of dust formation use respirator with filter.

Thermal hazard:

No additional information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Solid flakes	Melting Point/Range: 85-110°C
Color: White to grey reddish	Boiling point/Range: Not determined
Odor: Sweet	Relative density: Not determined
Odor threshold: Not determined	pH value: Not determined
Vapor Pressure: No determined	Flash point: > 220°C
Density at 23 °C: 1.06-1.08	Flammability (solid, gaseous): Nonflammable
Vapor Density: Not determined	Ignition temperature: No data available
Evaporation rate: Not determined	Decomposition temperature: Not determined
Solubility in / Miscibility with water: Insoluble in water; soluble in alcohols	Self-igniting: Not determined
Partition coefficient (nOctanol/water): Not determined	Danger of explosion: Product does not present an explosion hazard.
Viscosity Dynamic: Not determined Kinematic: Not determined	Explosion limits Lower: Not determined Upper: Not determined

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Product will not undergo polymerization. Reaction with formaldehyde is exothermic.

Conditions to avoid

Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions.

Incompatible materials

Formaldehyde. Strong acids, bases. Strong oxidizers. Strong reducing agents.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Water

11. TOXICOLOGICAL INFORMATION*Information on toxicological effects*

Acute toxicity (oral, rat):	LD50 510 mg/kg
Acute toxicity (dermal, rabbit):	LD50 2830 mg/kg
Acute toxicity (inhalation, rat):	LC50 > 2800 mg/m ³ (8hr)
Skin corrosion/irritation:	Causes skin irritation
Serious eye damage/irritation:	Causes serious eye irritation
Respiratory or skin sensitization:	Caused skin sensitization
Germ cell mutagenicity:	Positive
Carcinogenicity:	Not classified Based on available data, the classification criteria are not met.
Reproductive toxicity:	Not classified Based on available data, the classification criteria are not met.
STOT single exposure:	See acute toxicity above
STOT multiple exposure:	Not classified

Based on available data, the classification criteria are not met.

Aspiration hazard:

Not classified

Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Toxicity

Acute (short-term) toxicity:	LC50(96h, Fish): 26.8 mg/L
Acute (short-term) toxicity:	EC50(48h, Daphnia magna): 1 mg/L
Acute (short-term) toxicity:	ErC50(72h, Algae/aquatic plants): 97 mg/L
Chronic (long-term) toxicity:	LOEC(60 days, Fish): 32 mg/L
Chronic (long-term) toxicity:	NOEC(21 days, Daphnia magna): 172 µg/L

Persistence and degradability

Information: Rapidly biodegradability

Bioaccumulation potential

Information: BCF 3.16; Log PoW 0.8

Mobility in soil

Information: No additional information available

Results of PBT and vPVB assessment

Information: No additional information available

Other adverse effects

Information: Avoid release to the environment

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Methods: Dispose of in accordance with all applicable local and national regulations. Avoid release to the environment.

14. TRANSPORTATION INFORMATION

UN-Number	
DOT, ADR, ADN, IMDG, IATA	UN 2876, Resorcinol
UN proper shipping name	
DOT, ADR, ADN, IMDG, IATA	Resorcinol
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA	6.1
Packing group	
DOT, ADR, ADN, IMDG, IATA	III
Environmental hazards	
DOT, ADR, ADN, IATA	Yes
IMDG	Marine pollutant – yes
Special precautions for user	Make sure there is no damage, corrosion, or leaks on the container before transportation. Load to not fall, drop, damage the product, and make sure to take measures to secure the loaded products.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation"	Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	Resorcinol
TSCA (Toxic Substances Control Act)	Listed
Proposition 65 (California)	
Chemicals known to cause cancer	Not listed
Chemicals known to cause reproductive toxicity for females	Not listed
Chemicals known to cause reproductive toxicity for males	Not listed
Chemicals known to cause developmental toxicity	Not listed
Carcinogenic Categories	
IARC (International Agency for Research on Cancer)	Resorcinol
TLV (Threshold Limit Value established by ACGIH)	Resorcinol and Stearic acid
NIOSH-Ca (National Institute for Occupational Safety and Health)	Resorcinol
OSHA-Ca (Occupational Safety & Health Administration)	Not listed
Canada	
Canadian Domestic Substances List (DSL)	Listed
Canadian Ingredient Disclosure list (limit 0.1%)	Not listed

Canadian Ingredient Disclosure list (limit 1%)	Resorcinol and Stearic acid
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical safety assessment: A Chemical Safety Assessment has been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.