



SAFETY DATA SHEET

SECTION 1. Identification

Product Identifier: Trade Name: No. 454 E100 Rubber Rejuvenator
Chemical names, common names: Hydrocarbon Solvent Mixture

Manufacturer's Name: HURST CHEMICAL COMPANY
Address: 231 W. Pedregosa St., Santa Barbara, CA 93101
Phone Number: For Product Information, call: (800) 723-2004
Emergency Phone Number: CALL CHEMTREC, 24 HOUR: (800) 424-9300
DOT Information: combustible liquid, n.o.s., combustible liquid, NA 1993,PG III (contains naphtha, petroleum)

Recommended Use: Rubber blanket and roller cleaner and conditioner
Restrictions on Use: Not intended for any other use other than the recommended use of this product.
Persons handling and/or using this product should be trained regarding handling and use.

SECTION 2. Hazard(s) Identification

HMIS Health Hazard = 1
HAZARD Flammability = 2
CLASS Reactivity = 0

0 = Least	3 = High
1 = Slight	4= Extreme
2 = Moderate	

Other: Organic Vapor Respirator, Goggles and Gloves
Flash Point: 103°F TCC
Flammable Class II

Signal Word: Danger

Hazard Statement(s):

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat, sparks, flame, static electricity and all other sources of ignition.

Harmful if Inhaled: This material is expected to have low degree of toxicity by inhalation. Breathing high concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression.

Harmful if in Contact with skin or eyes: This product may cause eye and skin irritation.

Harmful if absorbed in skin: Skin contact may be harmful. Prolonged skin contact may cause redness, burning, drying and cracking.

Harmful if Swallowed: While this material has low degree of toxicity, ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression. Other symptoms of toxicity may include: nausea, vomiting, abdominal pain and diarrhea.

Chronic: Prolonged and repeated exposure to vapors or mists may cause liver and kidney damage.

Pictograms or hazard symbols:



Precautionary statement(s):

Wash affected areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapors/spray.

Keep away from heat/sparks/open flames/hot surfaces.

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting/and other equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Mixture composition and information on ingredients are described in Section 3.

SECTION 3. Composition/ Information on Ingredients

CAS	Chemical	Weight Percent Range
100-52-7	Benzaldehyde	<1%
105-54-4	Ethyl Butyrate	<0.1%
1330-20-7	Xylenes	1-5%
628-63-7	Amyl Acetate	<1%
64742-48-9	Naphtha, Petroleum, Hydrotreated Heavy	10-20%
8052-41-3	Stoddard Solvent	10-20%
95-63-6	1,2,4-Trimethylbenzene	10-20%
98-82-8	Cumene	1-5%

- None of the components listed above are considered carcinogens in humans by IARC, NTP, USEPA, or OSHA.
- Remaining components are primarily c9-c11 Isoparaffins (68551-16-6), N-Methyl-2-Pyrrolidone (872-50-4), and Light Hydrotreated Petroleum Distillates (64742-47-8).

SECTION 4. First-Aid Measures

SYMPTOMS OF OVEREXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE

Inhaled: While this product has a low degree of toxicity, breathing high concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression.

Contact with skin or eyes: This product may cause skin and eye irritation.

Skin Absorption: Skin contact may be harmful. Prolonged skin contact may cause redness, burning, drying and cracking.

Swallowed: While this material has low degree of toxicity, ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression.

Other symptoms of toxicity may include: nausea, vomiting, abdominal pain and diarrhea.

HEALTH EFFECTS OR RISKS FROM EXPOSURE

Acute: Skin, eye, nose and throat irritation.

Chronic: Kidney & liver damage.

EMERGENCY PROCEDURES

Eye Contact: Immediately flush eyes with water for 15 minutes. If irritation persists seek medical attention.

Skin Contact: Flush affected areas with large amounts of water. If irritation persists seek medical attention.

Inhaled: Move victim away from source of exposure and into fresh air. If the victim is not breathing, artificial respiration should be administered. Seek medical attention.

Swallowed: ASPIRATION HAZARD. Do not induce vomiting or give anything by mouth because this material can enter lungs and cause severe lung damage. If victim is drowsy or unconscious, place on the left side with the head down. If possible, do not leave victim unattended. Seek medical attention.

COMMENTS: This product has not been identified as a carcinogen or probable carcinogen by NTP, IARC, USEPA, or OSHA. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painters ' syndrome). Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Respiratory symptoms associated with pre-existing lung disorders (asthma-like conditions), liver/kidney disorders may be aggravated by exposure to this material.

SECTION 5. Fire-fighting Measures

Flash Point: 103°F TCC
Flammable Class II

Fire extinguishing materials:

Water Spray: No
Carbon Dioxide: Yes
Foam: Yes
Dry Chemical: Yes
Other: No

Special firefighting procedures: Wear appropriate protective equipment including respiratory protection. Stop release /spill if it can be done without risk. Water spray may be useful in cooling

equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat, sparks, flame, static electricity and all other sources of ignition.

SECTION 6. Accidental Release Measures

Spill response procedures: Keep out of drains, sewers or waterways. Use sand or other inert material to dam and contain spill. Do not flush area with water.

If spill in excess of EPA Reportable quantity is made into the environment, immediately notify the National Response Center (Phone NO: 800-424-8802). Reportable Quantities (lbs)
DOT/CERCLA:

Chemical	RQ
Cumene	5,000
Xylenes	100

SECTION 7: Handling and Storage

Keep containers tightly closed. Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practice. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Work practices, hygienic practices: Practice personal cleanliness by prompt removal of solvent in contact with skin. Train all employees in special handling procedures prior to working with this product.

SECTION 8. Exposure Controls/ Personal Protection

CAS	Chemical	ACGIH TLV (ppm)	OSHA PEL (ppm)	OSHA IDLH (ppm)
100-52-7	Benzaldehyde	--	--	--
105-54-4	Ethyl Butyrate	--	--	--
1330-20-7	Xylenes	100, A4	100	1000
628-63-7	Amyl Acetate	100	100	1000
64742-48-9	Naphtha, Petroleum, Hydrotreated Heavy	100	500	--
8052-41-3	Stoddard Solvent	100	500	5000
95-63-6	1,2,4-Trimethylbenzene	25	--	--
98-82-8	Cumene	50*	50*	8000

Ventilation and engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations may be used.

Respiratory Protection: The use of respiratory protection is advised when concentrations exceed the established exposure limits. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH Approved).

Eye Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

Gloves: The use of nitrile gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

Other clothing and equipment: Eye wash and quick drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse.

SECTION 9. Physical and Chemical Properties

- Appearance (physical state, color, etc.): Clear, yellowish color
- Upper/lower flammability or explosive limits: Flammable limits in air, volume%: lower: 0.5 upper: 16
- Odor: petroleum odor
- Vapor pressure: Information may not be relevant or is not available.
- Odor threshold: Information may not be relevant or is not available.
- Vapor density: (air = 1): >1
- Specific Gravity: 0.84
- pH: Information may not be relevant or is not available.
- Relative density: Density lb/gal: 6.98
- VOC Composite Partial Pressure, mm Hg at 20°C: 2.6
- Melting point/freezing point: Information may not be relevant or is not available.
- Solubility(ies): in water: Nil
- Initial boiling point and boiling range: Boiling Range: 300-360°F
- Flash point: Flash Point: 103°F TCC
- Evaporation rate: (Bu Ac = 1):>1
- Flammability (solid, gas): Flammable Class II
- Partition coefficient: n-octanol/water: Information may not be relevant or is not available.
- Auto-ignition temperature: Information may not be relevant or is not available.
- Decomposition temperature: Information may not be relevant or is not available.
- Viscosity: Information may not be relevant or is not available.
- Photochemical Reactivity Rule-102: Photochemically Reactive Ingredients= 44%vol
- Volatile Organic Content (VOC, EPA Method 24): 834 gm/l; 6.95 lb/gal

SECTION 10. Stability and Reactivity

Reactivity

Fire and Explosion: CLASS / Reactivity=0, 0=Least

Chemical stability

Stable.

Other

Incompatibility (materials to avoid): Strong acids, oxidizing agents and selected amines.

Hazardous Decomposition products (including combustion products): Carbon dioxide & carbon monoxide.

Hazardous polymerization: Will not occur.

Unusual fire and explosion hazards: This material is combustible and may be ignited by heat, sparks, flame, static electricity and all other sources of ignition.

SECTION 11. Toxicological Information

Routes of exposure (inhalation, ingestion, skin and eye contact are discussed in Section 4. Description of the delayed, immediate, or chronic effects from short- and long-term exposure is discussed in Section 4. Description of the symptoms is discussed in Section 4.

CAS	Chemical	Oral Rat LD50 (mg/kg)
100-52-7	Benzaldehyde	1300
105-54-4	Ethyl Butyrate	13000
1330-20-7	Xylenes	4300
628-63-7	Amyl Acetate	7400 (rab) IPR
64742-48-9	Naphtha, Petroleum, Hydrotreated Heavy	--
8052-41-3	Stoddard Solvent	--
95-63-6	1,2,4-Trimethylbenzene	5000
98-82-8	Cumene	1400

- None of the components listed above are considered carcinogens in humans by IARC, NTP, USEPA, or OSHA.
- Remaining components are primarily c9-c11 Isoparaffins (68551-16-6), N-Methyl-2-Pyrrolidone (872-50-4), and Light Hydrotreated Petroleum Distillates (64742-47-8).

SECTION 12. Ecological Information

Keep out of sewers, drainage areas, and waterways. Consult appropriate local, county, state, and federal agencies regarding ecological issues. Follow appropriate spill response measures as outlined in Section 6.

SECTION 13 Disposal Considerations

Preparing wastes for disposal: Dispose the product in accordance with local, state and federal regulations.

SECTION 14. Transport Information

Transport this product in accordance with local, county, state, and federal regulations.

SECTION 15. Regulatory Information

Section IIA -This product contains the following chemicals listed in the subject regulations:

CAS	Chemical	302	304	CERCLA	355	313	RCRA	CAA212	CAA602	CWA	HAP	Prop65	NDSL
-----	----------	-----	-----	--------	-----	-----	------	--------	--------	-----	-----	--------	------

100-52-7	Benzaldehyde	No	No	No	No	No	No	NA	No	No	No	No	No
105-54-4	Ethyl Butyrate	No	No	No	No	No	No	NA	No	No	No	No	No
1330-20-7	Xylenes	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
628-63-7	Amyl Acetate	No	No	Yes	Yes	No	No	No	No	No	No	No	No
64742-48-9	Naphtha, Petroleum, Hydrotreated Heavy	No	No	No	No	No	No	NA	No	No	No	No	No
8052-41-3	Stoddard Solvent	No	No	No	No	No	No	No	No	No	No	No	No
95-63-6	1,2,4-Trimethylbenzene	No	No	No	No	Yes	No	No	No	No	No	No	No
98-82-8	Cumene	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No
872-50-4	N-Methyl-2-Pyrrolidone	No	No	No	No	Yes	No	No	No	No	No	Yes	No

302	Section 302 of the Emergency Planning and Community Right-to-Know Act (EPCRA)
304	Section 304 of the Emergency Planning and Community Right-to-Know Act (EPCRA)
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act ("SUPERFUND")
355	The List of Extremely Hazardous Substances Under SARA
313	Toxic Release Inventory (TRI) Reporting Under SARA
RCRA	Resource Conservation and Recovery Act
CAA212	Clean Air Act Section 212
CAA602	Clean Air Act Section 602
CWA	Clean Water Act
HAP	Hazardous Air Pollutant
Prop65	California Proposition 65
NDSL	Environment Canada Non-Domestic Substances List

- All ingredients are listed under the Toxic Substance Control Act (TSCA) except:
- Naphtha Petroleum, Stoddard Solvent, Ethyl Butyrate
- All ingredients are listed under Environment Canada's Domestic Substance List (DSL).

SECTION 16. Other Information

Date Prepared: November 1993
Revised: May 2015

Hurst Chemical Company furnishes Safety Data Sheets based upon information from raw material suppliers. This information is provided in compliance with Federal Regulation 29CFR 1910. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of his use thereof.