

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: General Formula No. 209

OTHER MEANS OF IDENTIFICATION: Not applicable.

GENERAL USE: For professional drycleaning use only.

PRODUCT DESCRIPTION: Stain Removal Agent

MANUFACTURER

R. R. Street & Co. Inc.
215 Shuman Boulevard/Suite 403
Naperville, IL 60563

Product Information: 800-323-7206 (USA
& Canada only) or 630-416-4244

24 HR. EMERGENCY TELEPHONE NUMBERS

Medical Emergency: 866-303-6947 (USA & Canada
only) or 651-632-9272

Transportation Emergency: 800-424-9300 (USA &
Canada only) or 703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Flammable Liquids: Category 2

Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 1

Specific Target Organ Toxicity (STOT-SE) Systemic Toxicity: Category 3

GHS LABEL ELEMENTS

Symbol(s):



Signal Word: Danger

Hazard Statements:

H225 – Highly flammable liquid and vapor.

H314 – Causes severe skin burns and eye damage.

H335 – May cause respiratory irritation.

H336 – May cause drowsiness or dizziness.

Precautionary Statements:

P210 – Keep away from heat/sparks/open flames/hot surfaces - No smoking.

P233 – Keep container tightly closed.

P240 – Ground/bond container and receiving equipment.

P241 – Use explosion-proof electrical/ventilating/lighting equipment.

P242 – Use non-sparking tools.

P243 – Take precautionary measures against static discharge.

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 – Wash thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312+P330+P331 – IF SWALLOWED: Call a POISON CENTER or doctor physician. Rinse
mouth. Do NOT induce vomiting.

P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P341 – If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 – If exposed or concerned: Get medical attention.

P362+P364– Take off contaminated clothing and wash before reuse.

P370+P378 – In case of fire: Use water fog or fine spray, foam, carbon dioxide extinguishers, or dry chemical extinguishers for extinction.

P403+P233+P235 – Store in a well-ventilated area. Keep container tightly closed. Keep cool.

P501 – Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

Other Hazards: Not available.

Unknown Acute Toxicity: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identities of one or more components of this product are withheld as a trade secret.

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Trade Secret #1	-	-
Trade Secret #2	-	-
Trade Secret #3	-	-
Trade Secret #4	-	-
Trade Secret #5	-	-
Trade Secret #6	-	-

COMMENTS:

#2 = aliphatic alcohol, <30%

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Remove contaminated clothing. Wash with soap and water. Consult a physician if irritation persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove affected person to fresh air. If not breathing, give artificial respiration. Get medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation, redness, pain.

SKIN: Redness, drying, cracking.

SKIN ABSORPTION: Dizziness.

INGESTION: Discomfort of gastrointestinal tract, severe pain, headache, sore throat, cough, nausea, cramps, vomiting, diarrhea, dizziness, fatigue, drowsiness, stupor, loss of coordination, unconsciousness.

INHALATION: Headache, nausea, abdominal pain, vomiting, dizziness, drowsiness, irritation of the respiratory tract, shortness of breath, chest pain, cough, wheezing.

ADDITIONAL INFORMATION: After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NFPA Class IB

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, water spray or fog. Use of direct water stream may spread fire.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, formic acid.

FIRE FIGHTING EQUIPMENT AND PRECAUTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spill with absorbent material and water, if necessary. Place absorbed material in closed containers for disposal (see section13).

LARGE SPILL: Not applicable.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep away from heat, sparks and flame.

HANDLING: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Store in labeled, tightly sealed containers in a cool, well ventilated area.

ELECTROSTATIC ACCUMULATION HAZARD: Ground and bond containers when transferring material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

EXPOSURE LIMITS

		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Trade Secret #1	TWA	NE		NE ^[1]			
	STEL	NE		NE			
Trade Secret #2	TWA	100		100 ^[2]			
	STEL	NE		NE			
Trade Secret #3	TWA	NE		NE			
	STEL	NE		NE			
Trade Secret #4	TWA		1		1		
	STEL		NE		2		
Trade Secret #5	TWA	150		150			

	STEL	NE	200
Trade Secret #6	TWA	400	200 ^[2]
	STEL	NE	400

TABLE FOOTNOTES:

1. NE=Not established.
2. A4: Not classifiable as a human carcinogen.

The specific identity of one or more components of this product are withheld as a trade secret.

ENGINEERING CONTROLS: Local exhaust may be required to control vapor concentration.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields, or goggles.

SKIN: Butyl or Barrier™ gloves.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING: Not applicable.

WORK HYGIENIC PRACTICES: Wash thoroughly after handling. Do not smoke in presence of vapor. Do not eat or drink in work area.

OTHER USE PRECAUTIONS: Have eye wash station available. Do not wear contact lenses without eye protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear.

PHYSICAL STATE: Liquid.

COLOR: Colorless to light yellow.

ODOR: Alcohol.

ODOR THRESHOLD: 20 ppm

pH: 1

FREEZING POINT: <0°C (32°F)

INITIAL BOILING POINT: 93°C (200°F)

FLASH POINT: 14°C (58°F) TCC

EVAPORATION RATE: ~0.4 (butyl acetate = 1)

FLAMMABILITY (Solid, Gas): Not applicable, this product is a liquid at room temperature.

FLAMMABLE LIMITS: 1% to 15%

VAPOR PRESSURE: ~4 mm Hg at 20°C

VAPOR DENSITY: ~3 (air=1)

RELATIVE DENSITY: 1.06

SOLUBILITY IN WATER: Very soluble.

PARTITION COEFFICIENT (Log K_{ow}): No data available.

AUTOIGNITION TEMPERATURE: 400°C (752°F) to 480°C (896°F)

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: Not available.

PERCENT VOLATILE: ~47

10. STABILITY AND REACTIVITY

REACTIVITY: No dangerous reactions known.

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

CONDITIONS TO AVOID: Exposure to air, heat, sparks, open flames and other ignition sources.

INCOMPATIBLE MATERIALS: Hypochlorites, strong oxidizing agents, strong acids, alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Formic acid.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation and skin.

ACUTE TOXICITY (ATE):

DERMAL LD₅₀: Insufficient data available.

ORAL LD₅₀: >2,000 mg/kg (rat).

INHALATION LC₅₀: >20 mg/L (rat)

CHRONIC TOXICITY:

TARGET ORGANS: Components of this product have caused kidney, mucous membrane and respiratory system effects in lab animals.

SENSITIZATION: Insufficient data available.

CARCINOGENICITY:

IARC: A component of this product is classified as Group 3 (Not classifiable).

NTP: Not listed as a carcinogen.

OSHA: Not listed as a carcinogen.

OTHER: ACGIH: A3. Contains a substance that has a positive carcinogenicity study. The weight of evidence for the carcinogenicity of this substance does not meet the criteria for classification.

OTHER: No data available.

REPRODUCTIVE EFFECTS: A component of this product showed some fetotoxicity in lab animals exposed to high concentrations. A component of this product showed some developmental abnormalities in lab animals.

MUTAGENICITY: Insufficient data available.

SYNERGISTIC MATERIALS: May enhance the toxicity of other materials.

POTENTIAL HEALTH EFFECTS

EYES: May cause burns.

SKIN: May cause burns. Prolonged or repeated contact may cause dermatitis.

SKIN ABSORPTION: Extensive or prolonged contact may cause central nervous system depression.

INGESTION: May cause gastrointestinal tract burns, vomiting, kidney damage. May cause central nervous system depression, with collapse, unconsciousness, coma and death in cases of severe overexposure. In the case of vomiting, product may be aspirated into lungs causing chemical pneumonia, which in extreme cases could lead to death. See section 4, First Aid Measures, for more information.

ASPIRATION HAZARD: There is insufficient data available to classify this product as an aspiration hazard. Follow the precautions under INGESTION.

INHALATION: May cause inflammation, pneumonitis, burns, and edema of bronchi, larynx and pulmonary system. May cause central nervous system depression, intoxication, collapse; extreme concentrations may cause unconsciousness or death.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing skin and kidney disorders, hypocalcaemia.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Aquatic toxicity is low for all components.

PERSISTENCE AND DEGRADABILITY: All components are readily biodegradable.

BIOACCUMULATIVE POTENTIAL: Not expected to bioaccumulate.

MOBILITY IN SOIL: Insufficient data available.

OTHER ADVERSE EFFECTS: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incinerate or dispose of in accordance with federal, state and local regulations.

EMPTY CONTAINER: Not applicable.

RCRA/EPA WASTE INFORMATION: Contains material(s) that are ignitable wastes as defined by RCRA.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Flammable Liquid, NOS

TECHNICAL NAME: Aliphatic alcohol

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: II

LABEL: Cases of 6 one-pint bottles and individual one pint cartons are Limited Quantities. No Flammable Liquid (Class 3) label required when shipped by ground.

OTHER SHIPPING INFORMATION: Original product packaging is labeled, marked, and approved for ground shipments only.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Flammable Liquid, NOS

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: II

LABEL: No data available.

OTHER SHIPPING INFORMATION: Original product packaging is labeled, marked, and approved for ground shipments only.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Flammable Liquid, NOS

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: II

PLACARDS: Consult applicable regulations governing air shipments.

LABEL: Flammable Liquid (Class 3) label required when shipped by air.

IATA NOTE: Original product packaging is not approved for air shipment. Consult applicable regulations for packaging requirements and quantity limitations.

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:**

FIRE: Yes. **PRESSURE GENERATING:** No. **REACTIVITY:** No. **ACUTE:** Yes.
CHRONIC: Yes.

313 REPORTABLE INGREDIENTS: Ingredient 2 is reportable.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: One or more ingredients has an RQ of 5000 lbs.

REPORTABLE SPILL QUANTITY: > 100 gals

RCRA STATUS: See section 13.

MEXICO

Regulated for transportation.

STATE REGULATIONS**MASSACHUSETTS**

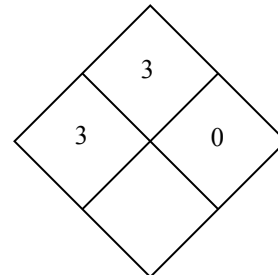
Contains one or more substances named on the Massachusetts Substance List.

CALIFORNIA

PROPOSITION 65 STATEMENT: This product contains no ingredients known to the state of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

HMIS RATINGS:	
HEALTH:	3
FLAMMABILITY:	3
REACTIVITY:	0
PERSONAL PROTECTION:	B

NFPA RATINGS:

SDS Revision Date: May 12, 2015