



Safety Data Sheet
L-55R CLEANING & DEBURRING COMPOUND

Section 1 – Product and Company Information

Product Identifiers

Name L-55R CLEANING & DEBURRING COMPOUND
Number L-55R
Brand Progress Chemical
Product Use Concentrated formulation for cleaning & finishing ferrous and non-ferrous metals in mass finishing processes.

Name Progress Chemical, Inc.
Address 3015 Dormax St. S.W. Grandville, MI 49418 www.ProgressChemical.com
Telephone (616) 534-6103 - (616) 534-0920 Fax
Emergency Phone (800) 424-9300 CHEMTREC - Poison Control 1-800-222-1222
Prepared/Revised April 10, 2016

Section 2 – Hazard Identification

Classification of the substance or mixture

Physical Hazard Not Classified.
Health Hazards Acute toxicity, Oral (Category 4), Harmful if swallowed.
Skin Corrosion / Irritation (Category 2), Causes skin irritation.
Eye Damager/Irritation (Category 2A), Causes serious eye irritation.



Environmental Hazards Not Classified.

GHS Label elements and precautionary statements

Pictogram: Exclamation Mark
Signal word: **WARNING**

Prevention Wash hands or other contact areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER/doctor/ Seek immediate medical attention if you feel unwell.
IF ON SKIN: Wash with plenty of water. Specific treatment: See Section 4: First Aid Measures. Take off contaminated clothing and wash it before reuse. If skin irritation persists: Get medical advice/ attention.
IF IN EYES: 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.

Storage None
Disposal Dispose of container or contents in accordance with all regulations.

Hazards not otherwise classified or not covered by GHS.

HMIS Rating: Health hazard: 2 Chronic Health Hazard: Flammability: 0 Physical Hazard 0
NFPA Rating: Health hazard: 2 Fire Hazard: 0 Reactivity Hazard: 0

Supplemental Information

See Section 16 for alphanumeric H-Statements and P-Statements.

Section 3 – Composition/Information on Ingredients

Component	CAS Number	% Wt.
Sodium Nitrite	7632-00-0	5
Sodium Gluconate	527-07-1	5-10
Anionic Surfactant	Mixture	1-2

This composition consists of a combination of ingredients. The ones potentially contributing to classified hazards are reported above. The above chemistries are provided for industrial hygiene and environmental purposes and are not product specifications.

Section 4 – First Aid Measures

General advice: Move out of dangerous area. Consult a physician. Show this SDS to doctor and first responders.
In case of 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.
In case of skin contact: Wash with plenty of water. Take off all contaminated clothing. Wash contaminated clothing before reuse. Seek immediate medical attention if you feel unwell.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Contact a POISON CENTER/doctor/see immediate medical attention.

If swallowed: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention. Specific treatment is shown. Rinse mouth.

Most important symptoms and effects, both acute and delayed: See Sections 2 and 11.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

Section 5 – Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use dry chemical, foam or water fog to extinguish.

Unsuitable Extinguishing Media: Do not use direct water stream.

Special hazards arising from the substance or mixture: Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiate at sufficient concentrations).

Advice for firefighters: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

Further information: If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid breathing fume/gas/mist/spray. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Environmental precautions: Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Use noncombustible absorbents for small spills. Vacuum larger spills. Use suitable and properly labeled containers. Dispose of contents/container to an approved waste disposal plant. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Reference to other sections-resources: For additional information, refer to Section 8: Exposure Controls and Personal Protection, Section 7: Handling, Section 12: Ecological Information, Section 13: Disposal Considerations and OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120).

Section 7 – Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation mists or sprays. In case of inadequate ventilation wear respiratory protection. Remove product from tools and equipment before reuse. For precautions see Section 2. For protection see Section 8.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use: See Section 1.

Section 8 – Exposure Control and Personal Protection

Control parameters

Guidelines may not apply to every situation. Industrial hygiene evaluations should be completed at each work place. Exposure limits are for air levels only. When skin contact also occurs, workers may be overexposed, even though air levels are less than the limits when provided.

Component Workplace Exposure Limits

Sodium Nitrite (7632-00-0) - Sodium Gluconate (527-07-1) - Anionic Surfactant: No OSHA – NIOSH – ACGIH exposure limits.

Exposure controls: Appropriate engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Facilities storing, packaging or utilizing product should be equipped with an eyewash and a safety shower facility. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Safety glasses and chemical resistant gloves are recommended whenever chemicals are handled. Obtain detailed information from OSHA Personal Protective Equipment Standard (29 CFR 1910.132) and equipment suppliers.

Eye/face protection: Face shield and, or safety glasses are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Wear protective gloves/protective clothing. Dispose of contaminated gloves after use in accordance with applicable regulations and good practices. Wash and dry hands. Wash contaminated clothing and decontaminate shoes before reuse.

Respiratory protection: Use when overexposure potential. Improper use of respirators is dangerous. Respirators should only be used with a written program as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Control of environmental exposure

Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with regulations

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Liquid
Color: Blue
Odor: Mild
Odor Threshold: Not Determined
pH: 9.5
Melting Point: Not Determined
Freezing Point: Not Determined
Boiling Point/Range: >212°F / >100°C
Flash Point: Noncombustible
Evaporation Rate (Butyl Acetate = 1): Not Determined
Flammability (solid, gas): Not Applicable
Flammable Limits (In Air): Upper - Lower: Not Applicable
Vapor Pressure: As Water
Vapor Density (air = 1): As Water
Specific Gravity (H₂O = 1): 1.17
Solubility in water (by weight): 100%
Partition coefficient, n-octanol/water (log Pow) Not Determined
Autoignition Temperature: Not Determined
Decomposition Temperature: Not Determined
Viscosity: Non-Viscous
Explosive properties: Not Determined
Oxidizing properties: None
Volatility (wt. %): 0

Other safety information

Physical Data is typical values based on material tested, but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

Section 10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: When in contact with incompatible materials.

Conditions to avoid: Contact with incompatible materials and temperature extremes.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Does not decompose under normal conditions.

Other decomposition products: During fire, thermal decomposition can produce oxides of nitrogen, carbon monoxide and carbon dioxide (asphyxiates at sufficient concentrations).

Section 11 – Toxicity Information

Information on Toxicological Effects

Component toxicity

Sodium nitrite (7632-00-0): Acute toxicity LD50 Oral - Rat - 157.9 mg/kg LD50 Oral - Mouse - 175 mg/kg.

Sodium Gluconate (527-07-1) - Anionic Surfactant: No data available.

Mixture toxicity

Inhalation – Dermal - Skin corrosion/irritation - Eye damage/eye irritation – Respiratory/skin sensitization - Germ cell mutagenicity – Reproductive toxicity - Specific target organ toxicity - single exposure - Specific target organ toxicity - repeated exposure - Aspiration hazard: All no data available - Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is classified as a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

Additional Information

None known.

Section 12 – Ecological Information

Ecotoxicity

Component ecotoxicity

Sodium nitrite (7632-00-0): Toxicity to fish flow-through test LC50 - *Oncorhynchus mykiss* (rainbow trout) - 0.94 - 1.92 mg/l - 96.0 h mortality NOEC - *Oncorhynchus mykiss* (rainbow trout) - 0.54 mg/l - 96.0 h Toxicity to daphnia and other aquatic invertebrates EC50 - *Daphnia magna* (Water flea) - 12.5 mg/l - 48 h Toxicity to algae NOEC - *Desmodesmus subspicatus* (green algae) - 100 mg/l - 72 h (OECD Test Guideline 201).

Sodium Gluconate (527-07-1) - Anionic Surfactant: No data available.

Mixture ecotoxicity

Toxicity to Fish - Persistence and Biodegradability - Bioaccumulative Potential - Mobility in Soil: No data available for mixture.

Other adverse effects

None known.

Section 13 – Disposal Consideration

Waste treatment methods

Product: Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 – Transport Information

DOT: Not Regulated – **IATA:** Not Regulated – **IMDG:** Not Regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through a shipper authorized sales or customer service representative.

Section 15 – Regulatory Information

Federal

TSCA: Components of this product are listed on the TSCA Inventory.

RCRA: None of the ingredients are currently listed as a substance or a source waste under current RCRA regulations (40 CFR 261.31, 32 and 33).

CERCLA: Product is not found on Table 302.4, 40 CFR part 302.

SARA TITLE III: (Superfund Amendments and Reauthorization Act)

302 Components: None are subject to the reporting requirements of Section 302.

313 Components: None that exceed the threshold (De Minimis) reporting levels established by Section 313.

311/312 Hazards: None

States

State Right to Know Components: MA, PA & NJ: Triethanolamine (102-71-6)

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada

DSL: This product, or its components, are listed on or are exempt from the Canadian Domestic Substances List.

WHMIS: Uncontrolled product according to WHMIS classification criteria.

Section 16 – Other Information

Full alphanumeric H-Statements and P-Statements.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

P264 Wash hands or other contact areas thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

P301+P312 IF SWALLOWED: Immediately call a POISON CENTER/doctor/ Seek immediate medical attention if you feel unwell.

P302+352+332+315 IF ON SKIN: Wash with plenty of water. Specific treatment: See Section 4: First Aid Measures. Take off contaminated clothing and wash it before reuse. If skin irritation persists: Get medical advice/ attention

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

P321 Specific treatment: See Section 4: First Aid Measures.

P330 Rinse mouth.

P332 + P313 If skin irritation persists: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362+364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of container or contents in accordance with all regulations.

Disclaimer

Hazard ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all information contained in this SDS must be considered. The information in this Safety Data Sheet was obtained from sources we believe reliable. However, the information is provided without any warranty, expressed or implied regarding to its correctness. The conditions or methods of handling, storage, and/or disposal of this product is beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and

expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with usage, storage or disposal of this product. See Section 2 for technical and for emergency contact information.