SAFETY DATA SHEET

Neutral Red

1. IDENTIFICATION

Product Identifiers

Product Name:	Neutral Red
Other Names:	Basic Red, Natural Red, 3-Amino-7-dimethylamino-2-methylphenazine hydrochloride
Product Number(s):	C127, C1271, C1275
CAS Number:	553-24-2

Recommended use of the chemical and restriction on use

Laboratory use.

Company Details

ProSciTech Pty Ltd
11 Carlton Street
KIRWAN QLD 4817
Australia

(07) 4773 9444
www.proscitech.com

Emergency Contact Details

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture.

Label Elements

Signal Words

Warning

Hazard Statement(s)

Not available.

Precautionary Statement(s)

Not available.

Primary route(s) of entry

Not available.

Human Health

Inhalation:	May cause respiratory tract irritation. May be harmful if inhaled.
Ingestion:	May cause digestive tract disturbances. May be harmful if swallowed.
Eyes:	May cause eye irritation.
Skin:	May cause skin irritation. May be harmful if absorbed through the skin.

Environment

No further relevant information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	Content (w/w)	Classification
Neutral Red	-553-24-2	100%	-

4. FIRST AID MEASURES

Ingestion

If victim is conscious and alert, give 2-4 cupfuls of milk or water. **Never** give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid

Skin Contact

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Eye Contact

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Other Information

Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Suitable extinguishing equipment

Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

HAZCHEM

Not available.

Special protective equipment and precautions for fire fighters

Carbon & Nitrogen oxides, hydrogen chloride gas. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use proper PPE

Environmental precautions

Clean up spills immediately, observing precautions in the Protective Equipment Section.

Methods and materials for containment and clean up

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation

Conditions for safe storage

Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards

Engineering controls

Facilities storing or utilising this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal protective equipment

Eye and face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin protection

Wear appropriate protective gloves to prevent skin exposure. 0.11 mm thick nitrile.

Body protection

Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance	Dark green-black powder
Odour	Not available.
pH	Not available.
Vapour Pressure	Not available.
Density	Not available.
Boiling Point	Not available.
Melting Point	290 °C
Solubility	Slightly soluble.
Specific Gravity of Density	Not available.
Flash Point	Not available.
Flammable (Explosive) Limits	Not available.
Ignition Temperature	Not available.
Formula	$C_{15}H_{17}ClN_4$.

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal temperatures and pressures.

Chemical stability

Not available.

Possibility of hazardous reactions

No further relevant information available.

Conditions to avoid

Incompatible materials, dust generation, excess heat.

Incompatible materials

Strong oxidising agents, strong acids, strong bases

11. TOXICOLOGICAL INFORMATION

Acute effects

LD50/LC50: Intravenous - rat-112mg/kg Intraperitoneal mouse 432 mg/kg

Eye contact

No further relevant information available.

Skin contact

No further relevant information available.

Ingestion

No further relevant information available.

Inhalation

No further relevant information available.

Toxicity and irritation

No further relevant information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No further relevant information available.

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Other adverse effects

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

General information

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification

14. TRANSPORT INFORMATION

ADG label required

HAZCHEM

Not available.

UN Number	None.
Proper shipping name	Not regulated.
Transport hazard class	Void
Packing group	None.
Environmental hazard	No information available.
Special precautions for users	No information available.
Additional information	No information available.

15. REGULATORY INFORMATION

Poisons Schedule Number

No information available.

Other Information

No further relevant information available.

16. OTHER INFORMATION

SDS preparation date

11 April 2023

Comments

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.

This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this SDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

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