



Section 1. Product and Company Identification

Product Identifier N28 - Iron Buster

Product Use Description: Thin clear bright Yellow liquid with a thoglycolate odor for use as a hard surface cleaner in automotive applications

Manufacturer or suppliers' details

P & S Sales, Inc
20943 Cabot Blvd.
Hayward CA 94545

Emergency Number: 800-255-3924
Customer Service: 510-732-2628
Business Fax: 510-732-2632

Section 2. Hazards Identification

GHS Classification

Acute toxicity (oral) : Category 4
Serious Eye Damage/Eye Irritation : Category 2
Sensitization, Skin : Category 1

GHS Label Elements

Hazard Pictograms



Hazard Word Warning

Hazard Statements

H302: **Harmful if swallowed**
H319: **Causes serious eye irritation**
H317: **May cause an allergic skin reaction**

Precautionary Statements

P261: **Avoid breathing dust/fume/gas/mist/vapours/spray**
P272: **Contaminated work clothing should not be allowed out of the workplace**
P270: **Do not eat, drink or smoke when using this product**
P264: **Wash skin thoroughly after handling**
P280: **Wear protective gloves/protective clothing/eye protection/face protection**
P302+352: **Response:**
P332+313: **IF ON SKIN: Wash with soap and water**
P363: **If skin irritation occurs: Get medical advice/attention**
P321: **Wash contaminated clothing before reuse**
P305+351+338: **Specific treatment (see ... on this label)**
P337+313: **IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing**
P301+312: **If eye irritation persists: Get medical advice/attention**
P330: **If eye irritation persists: Get medical advice/attention**
P401: **IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell**



P501:

Rinse mouth**Store Away from incompatible materials****Dispose of contents/container to an approved waste disposal plant.**

3. Composition Information on Ingredients

CAS Number	Wt %	Component Name
367-51-1	10-25	Sodium Thioglycolate solution
112-34-5	1-5	diethylene glycol monobutyl ether
34398-01-1	5-10%	polyethylene glycol (5) undecyl ether

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: If Swallowed: Call Poison Control Center (800) 222-1222 or doctor if you feel unwell. Rinse mouth

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Call a physician if irritation develops.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If eye irritation persists, Get medical attention.

5. Fire Fighting Measures

Suitable extinguishing media:

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media:

water jet

Hazardous combustion products:

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

Advice for firefighters:

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures For non-emergency personnel:

Remove persons to safety.

For emergency responders:

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

Environmental precautions:

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.



Advices on how to contain a spill:

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust. , kieselgur (diatomite), sand, universal binder). Covering of drains.

Appropriate containment techniques:

Use of adsorbent materials.

Other information relating to spills and releases:

Place in appropriate containers for disposal. Ventilate affected area.

7. Handling and Storage

Precautions for safe handling

Measures to prevent fire as well as aerosol and dust generation:

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene:

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding.

Conditions for safe storage, including any incompatibilities: Protect against external exposure, such as:

Frost

8. Exposure Controls and Personal Protection

367-51-1	Sodium Thioglycolate solution	1 ppm TLV (ACGIH) TLV
112-34-5	diethylene glycol monobutyl ether	15 ppm (STEL) IOELV
		67.5 mg/m3 TWA
		10 ppm (TWA) ACGIH TLV
34398-01-1	polyethylene glycol (5) undecyl ether	None Established

Exposure Controls

Appropriate Engineering Controls: General ventilation.

Individual protection measures (personal protective equipment) Eye/Face Protection: Wear eye/face protection.

Skin protection Hand Protection: Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Other protection measures: Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.



Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls: Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

9. Physical and Chemical Properties

Flash Point	Not Determined	Upper Flamability Limit	Not Determined		
Auto Ignition	210 °C	Lower Flamability Limit	Not Determined		
Physical State	liquid	Color	Yellow	Vapor Press	31.69 hPa @ 25°C
pH	6-8	Specific Gravity	1.041	Viscosity	thin
Vapor Density (Air=1)	Not Determined	Melting Point °F	Not Det	Odor	Sulfurous
Water Solubility	complete	VOC Content	1.95%, accounting for VOC LVP excepted solvent		

10. Stability and Reactivity

Stability Stable

Hazardous Polymerization Not Expected to Occur

Conditions to Avoid Keep away from extreme heat, Strong Acids, Alkalies and Oxidizers such as Chlorine, other Halogens, Hydrogen Peroxide and Oxygen

Hazardous Decomposition Products No substances are readily identifiable from composition but no degradation data is available.

11. Toxicological Information

Information on toxicological effects:

Test data are not available for the complete mixture.

Classification procedure:

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP) Acute toxicity - Harmful if swallowed.

Acute toxicity estimate (ATE) - oral 1,037 mg/kg

Component Toxicity

sodium thioglycolate solution 200 mg/Kg Oral

polyethylene glycol (5) undecyl ether 1400 mg/Kg

Skin corrosion/irritation - Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation - Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization - May cause an allergic skin reaction.

Summary of evaluation of the CMR properties - Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT) - Shall not be classified as a specific target organ toxicant.

Aspiration hazard - Shall not be classified as presenting an aspiration hazard.

12. Ecological Information



Sodium Thioglycolate solution >100mg/L LC50 96 hr fish
Sodium Thioglycolate solution 38mg/L EC50 48 hr aquatic invertebrate

diethylene glycol monobutyl ether 1,300 mg/L LC50 96 hr fish
diethylene glycol monobutyl ether >100 mg/L EC50 48hr aquatic invertebrate
diethylene glycol monobutyl ether >100 mg/L ErC50 96 hr algae

13. Disposal Considerations

Options for disposal of this product may depend on the conditions under which it was used. To determine the proper method of disposal, refer to RCRA (40 CFR 261), as well as federal EPA and state and local regulations.

Please refer to Sections 5, 6 and 15 for additional information.

14. Transportation Information

Domestic (Land, D.O.T.)

Proper Shipping Name: Not Regulated

International (Water, I.M.O.)

Proper Shipping Name: Not Regulated

15. Regulatory Information

OSHA Hazards : Moderate eye irritant, Moderate respiratory irritant

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity - Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: SARA 313: : The following components are subject to reporting levels established by SARA Title III, Section 313: 112-34-5 Diethylene Glycol Monobutyl Ether

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

16. Other Information

Revision Date 6/5/2020



The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal counsel should be consulted to insure proper health, safety and other necessary information is included on the container.

Key or legend to abbreviations and acronyms used in the safety data sheet

- ACGIH American Conference of Government Industrial Hygienists
- LD50 Lethal Dose 50%
- AICS Australia, Inventory of Chemical Substances
- LOAEL Lowest Observed Adverse Effect Level
- DSL Canada, Domestic Substances List
- NFPA National Fire Protection Agency
- NDSL Canada, Non-Domestic Substances List
- NIOSH National Institute for Occupational Safety & Health
- CNS Central Nervous System
- NTP National Toxicology Program
- CAS Chemical Abstract Service
- NZIoC New Zealand Inventory of Chemicals
- EC50 Effective Concentration
- NOAEL No Observable Adverse Effect Level
- EC50 Effective Concentration 50%
- NOEC No Observed Effect Concentration
- EGEST EOSCA Generic Exposure Scenario Tool
- OSHA Occupational Safety & Health Administration
- EOSCA European Oilfield Specialty Chemicals Association
- PEL Permissible Exposure Limit
- EINECS European Inventory of Existing Chemical Substances
- PICCS Philippines Inventory of Commercial Chemical Substances
- MAK Germany Maximum Concentration Values
- PRNT Presumed Not Toxic
- GHS Globally Harmonized System
- RCRA Resource Conservation Recovery Act
- >= Greater Than or Equal To
- STEL Short-term Exposure Limit
- IC50 Inhibition Concentration 50%
- SARA Superfund Amendments and Reauthorization Act.
- IARC International Agency for Research on Cancer
- TLV Threshold Limit Value
- IECSC Inventory of Existing Chemical Substances in China
- TWA Time Weighted Average
- ENCS Japan, Inventory of Existing and New Chemical Substances
- TSCA Toxic Substance Control Act
- KECI Korea, Existing Chemical Inventory
- UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
- <= Less Than or Equal To
- WHMIS Workplace Hazardous Materials Information System
- LC50 Lethal Concentration 50%