# SAFETY DATA SHEET

**Issuing Date** 16-Sep-2013 **Revision Date** 16-Sep-2013 **Revision Number** 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**GHS product identifier**

**Product Name** **SCRUBS® Metal Polish Towel**

**Other means of identification**

**Product Code(s)** **90218, 90236**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Metal polish

**Uses advised against** No information available

**Supplier's details**

**Supplier Address**
ITW Pro Brands
805 E. Old 56 Highway
Olathe, KS 66061
TEL: 1-800-443-9536

**Emergency telephone number**

**Emergency Telephone Number** 800-535-5053 Infotrac

## 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

| | |
|---|---|
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2A |
| Skin Sensitization | Category 1 |
| Aspiration Toxicity | Category 1 |

**GHS Label elements, including precautionary statements**

## Emergency Overview

**Signal Word** **Danger**

**Hazard Statements**

- Causes skin irritation
- Causes serious eye irritation
- May cause an allergic skin reaction
- May be fatal if swallowed and enters airways

**Appearance** White **Physical State** Liquid. **Odor** Ammonia

**Precautionary Statements**

**Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- None

**Eyes**

- 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.

**Skin**

- IF ON SKIN: Wash with plenty of soap and water
- Take off contaminated clothing and wash before reuse
- If skin irritation or rash occurs: Get medical advice/attention.

**Ingestion**

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- Do NOT induce vomiting.

**Storage**

- Store locked up.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Toxic to aquatic life. Harmful to aquatic life with long lasting effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % | Trade secret |
|---|---|---|---|
| Isoparaffinic Hydrocarbon | 64742-47-8 | 10-30 | * |
| Aluminum oxide | 1344-28-1 | 10-30 | * |
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | 1-5 | * |
| Ammonia | 7664-41-7 | 1-5 | * |
| Sulfamic acid | 5329-14-6 | 1-5 | * |
| Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine | 4719-04-4 | 0.1-1 | * |

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

## 4. FIRST AID MEASURES

### Description of necessary first-aid measures

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, call a physician.

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion** Not an expected route of exposure. If swallowed: Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Aspiration hazard if swallowed - can enter lungs and cause damage.

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Carbon dioxide ($CO_2$). Dry chemical. Water fog. Foam.

**Unsuitable Extinguishing Media** None

**Specific Hazards Arising from the Chemical**

No information available.

**Hazardous Combustion Products** Carbon oxides. Hydrogen. Ammonia. Amines. Nitrogen oxides (NOx). Sulfur oxides. Soot.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

Use water spray to cool surrounding containers. Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment.

### Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment. See Section 12 for additional Ecological Information

### Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Small spillage: Wipe up with absorbent material (e.g. cloth, fleece) Large spillage: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Avoid contact with skin, eyes and clothing. Do not smoke. Use only with adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage** Store in cool/well-ventilated place. Keep out of the reach of children. Keep container closed when not in use. Keep away from heat and sources of ignition. Do not contaminate food or feed stuffs.

**Incompatible Products** Strong oxidizing agents. Strong acids. Halogens. Fluorine. Bleaching agents. Iodine. Amphoteric metals. Dimethyl sulfate.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Aluminum oxide<br>1344-28-1 | TWA: 1 mg/m$^3$ respirable fraction | TWA: 15 mg/m$^3$ total dust<br>TWA: 5 mg/m$^3$ respirable fraction<br>(vacated) TWA: 10 mg/m$^3$ total dust<br>(vacated) TWA: 5 mg/m$^3$ respirable fraction | - |
| Ammonia<br>7664-41-7 | STEL: 35 ppm<br>TWA: 25 ppm | TWA: 50 ppm<br>TWA: 35 mg/m$^3$<br>(vacated) STEL: 35 ppm<br>(vacated) STEL: 27 mg/m$^3$ | IDLH: 300 ppm<br>TWA: 18 mg/m$^3$<br>TWA: 25 ppm<br>STEL: 27 mg/m$^3$<br>STEL: 35 ppm |
| Tall oil fatty acids<br>61790-12-3 | 5 mg/m$^3$ (resp)<br>10 mg/m$^3$ STEL (resp) | 5 mg/m$^3$ (resp) | - |

### Appropriate engineering controls

**Engineering Measures** Showers
Eyewash stations
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Risk of contact, wear: Safety glasses with side-shields.
**Skin and Body Protection** No protective equipment is needed under normal use conditions.
**Respiratory Protection** None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical State** | Liquid | **Appearance** | White |
| **Odor** | Ammonia | **Odor Threshold** | No information available |

| Property | Values | Remarks/ - Method |
|---|---|---|
| **pH** | 9 | None known |
| **Melting Point/Range** | No data available | None known |
| **Boiling Point/Boiling Range** | 212 °F | None known |
| **Flash Point** | None to boiling | PMCC |
| **Evaporation rate** | No data available | None known |
| **Flammability (solid, gas)** | No data available | None known |
| **Flammability Limits in Air** | | |
| **upper flammability limit** | No data available | |
| **lower flammability limit** | No data available | |
| **Vapor Pressure** | No data available | None known |
| **Vapor Density** | > 1 | None known |
| **Relative Density** | No data available | None known |
| **Specific Gravity** | 1.091 | None known |
| **Water Solubility** | Slightly soluble | None known |
| **Solubility in other solvents** | No data available | None known |
| **Partition coefficient: n-octanol/water** | No data available | None known |
| **Autoignition Temperature** | No data available | None known |
| **Decomposition Temperature** | No data available | None known |
| **Viscosity** | 400 cps | None known |

**Flammable Properties** Not flammable

**Explosive Properties** No data available
**Oxidizing Properties** No data available

**Other information**

**VOC Content (%)** 3%

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Incompatible products.

**Incompatible materials**

Strong oxidizing agents. Strong acids. Halogens. Fluorine. Bleaching agents. Iodine. Amphoteric metals. Dimethyl sulfate.

**Hazardous decomposition products**

Carbon oxides. Nitrogen oxides (NOx). Hydrogen. Sulfur oxides. Soot. Ammonia. Amines.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Inhalation** May cause irritation of respiratory tract.

**Eye Contact** Causes eye irritation.

**Skin Contact** Causes skin irritation.

**Ingestion** Not an expected route of exposure. Potential for aspiration if swallowed. May be fatal if swallowed and enters airways.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| Isoparaffinic Hydrocarbon | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 5.2 mg/L ( Rat ) 4 h |
| Aluminum oxide | > 5000 mg/kg ( Rat ) | - | - |
| Naphtha (petroleum), hydrotreated heavy | > 5000 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit ) | - |
| Ammonia | = 350 mg/kg ( Rat ) | - | = 5.1 mg/L ( Rat ) 1 h<br>= 2000 ppm ( Rat ) 4 h |
| Sulfamic acid | = 1450 mg/kg ( Rat ) | - | - |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization** No information available.
**Mutagenic Effects** No information available.
**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Reproductive Toxicity** No information available.
**STOT - single exposure** No information available.
**STOT - repeated exposure** No information available.
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product**

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** 8691 mg/kg; Acute toxicity estimate

**Inhalation**

**dust/mist** 14.3 mg/L; Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---|---|---|---|---|
| Isoparaffinic Hydrocarbon 64742-47-8 | | LC50 96 h: = 45 mg/L flow-through (Pimephales promelas) LC50 96 h: = 2.2 mg/L static (Lepomis macrochirus) LC50 96 h: = 2.4 mg/L static (Oncorhynchus mykiss) | | LC50 96 h: = 4720 mg/L (Den-dronereides heteropoda) |
| Aluminum oxide 1344-28-1 | | LC50 96 h: > 100 mg/L semistatic (Salmo trutta) | | LC50 48 h: > 100 mg/L (daphnia magna) |

| | | | | |
|---|---|---|---|---|
| Naphtha (petroleum), hydrotreated heavy 64742-48-9 | | LC50 96 h: = 2200 mg/L (Pimephales promelas) | | LC50 96 h: = 2.6 mg/L (Chaetogammarus marinus) |
| Ammonia 7664-41-7 | | LC50 96 h: 0.26 - 4.6 mg/L (Lepomis macrochirus) LC50 96 h: 0.73 - 2.35 mg/L (Pimephales promelas) LC50 96 h: = 0.44 mg/L (Cyprinus carpio) LC50 96 h: = 1.17 mg/L flow-through (Lepomis macrochirus) LC50 96 h: = 1.19 mg/L static (Poecilia reticulata) LC50 96 h: = 5.9 mg/L static (Pimephales promelas) LC50 96 h: > 1.5 mg/L (Poecilia reticulata) | | LC50 48 h: = 25.4 mg/L (Daphnia magna) |
| Tall oil fatty acids 61790-12-3 | EC50 72 h: >= 1000 mg/L (Pseudokirchneriella subcapitata) | | | |
| Sulfamic acid 5329-14-6 | | LC50 96 h: = 14.2 mg/L static (Pimephales promelas) | | |
| Tetrapotassium pyrophosphate 7320-34-5 | | LC50 96 h: > 100 mg/L (Oncorhynchus mykiss) | | EC50 48 h: > 100 mg/L (water flea) |
| Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine 4719-04-4 | - | - | EC50 = 28.9 mg/L 15 min | - |

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

| Chemical Name | Log Pow |
|---|---|
| Ammonia | -1.14 |

**Other Adverse Effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

## 15. REGULATORY INFORMATION

## International Inventories

## Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory. All components of this product are either listed or are exempt on the TSCA inventory.
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

## U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | Weight % | SARA 313 - Threshold Values % |
|---|---|---|---|
| Ammonia | 7664-41-7 | 1-5 | 1.0 |

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| **Acute Health Hazard** | Yes |
| **Chronic Health Hazard** | No |
| **Fire Hazard** | No |
| **Sudden Release of Pressure Hazard** | No |
| **Reactive Hazard** | No |

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| Ammonia | 100 lb | | | X |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---|---|---|---|
| Ammonia | 100 lb | 100 lb | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |

## U.S. State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

## U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|---|---|---|---|---|---|
| Aluminum oxide | X | X | X | | X |
| Ammonia | X | X | X | | X |
| Sulfamic acid | X | | | | |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **NFPA** | **Health Hazard** | 2 | **Flammability** | 0 | **Instability** | 0 | **Physical and Chemical Hazards** - |
| **HMIS** | **Health Hazard** | 2 | **Flammability** | 0 | **Physical Hazard** | 0 | **Personal Protection** B |

| | |
|---|---|
| **Prepared By** | Product Stewardship<br>23 British American Blvd.<br>Latham, NY 12110<br>1-800-572-6501 |
| **Issuing Date** | 16-Sep-2013 |
| **Revision Date** | 16-Sep-2013 |
| **Revision Note** | Initial Release. |

**General Disclaimer**

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of Safety Data Sheet**