

Safety Data Sheet: DUO POWER

Supersedes Date: 04/10/2017

Issuing Date: 10/16/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: DUO POWER
Recommended use Cleaning agent
Information on Manufacturer
CHEMSEARCH FE DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code: 0460
Chemical nature Mixture
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Grass green

Physical state Liquid

Odor Odorless

GHS Classification

Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Category 2A

Other hazards

None

Labeling

Signal Word

WARNING



Hazard statements

H319 - Causes serious eye irritation

Precautionary Statements

P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name | CAS No. | Weight-% |
|--------------------------|-----------|----------|
| Pentasodium triphosphate | 7758-29-4 | 5-10 |
| Sodium xylene sulfonate | 1300-72-7 | 3-7 |
| Sodium hydroxide | 1310-73-2 | 0.1-1.0 |

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

4. FIRST AID MEASURES

General advice

Eye Contact

Avoid contact with skin, eyes and clothing. Avoid breathing mist.
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Skin Contact

Inhalation

Ingestion

Notes to physician

No hazards which require special first aid measures.
No hazards which require special first aid measures.
No hazards which require special first aid measures.
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash

Method No data available

Flammability Limits in Air %: Not applicable.

Upper: No data available

Lower: No data available

Suitable Extinguishing MediaCarbon dioxide (CO₂). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.**Specific hazards arising from the chemical**

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA Health 2

Flammability 0

Instability 0

HMIS - Health 2

Flammability 0

Physical Hazard 0

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Neutralizing Agent

Acetic acid, diluted.

7. HANDLING AND STORAGE**Handling**

Avoid contact with skin, eyes and clothing. Avoid breathing mist.

Storage

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature**Minimum** 36 °F / 2 °C**Maximum** 120 °F / 49 °C**Storage Conditions****Indoor** X**Outdoor** X**Heated****Refrigerated****8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|------------------|------------------------------|--------------------------|--|
| Sodium hydroxide | Ceiling: 2 mg/m ³ | TWA: 2 mg/m ³ | 10 mg/m ³ Ceiling: 2 mg/m ³ |

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment**Eye/Face Protection**

Tightly fitting safety goggles.

Skin Protection

Wear suitable protective clothing, Impervious gloves.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------------|---------------------------|----------------------------------|---------------------------------|
| Physical state | Liquid | Viscosity | Semi-viscous |
| Color | Grass green | Odor | Odorless |
| Odor Threshold | Not applicable | Appearance | Transparent |
| pH | 11.49 | Specific Gravity | 1.109 |
| Evaporation Rate | 0.45 (BuAc = 1) | Percent Volatile (Volume) | 76.1 |
| VOC Content (%) | 0.2 | VOC Content (g/L) | 2 |
| Vapor pressure | 15.44 mmHg @ 70°F | Vapor Density | 0.6 (Air= 1) |
| Solubility | Soluble | n-Octanol/Water Partition | No data available |
| Melting Point/Range | No data available | Decomposition Temperature | No data available |
| Boiling Point/Range | 212 °F / 100 °C | Flammability (solid, gas) | No data available |
| Flash Point | Does not flash | Method | No data available |
| Autoignition Temperature | No information available. | | |
| Flammability Limits in Air %: | Not applicable | Upper: No data available | Lower: No data available |

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

Protect from direct sunlight and extremes of temperatures.

Incompatible Products
Decomposition Temperature
Hazardous Decomposition Products
Possibility of Hazardous Reactions

Strong oxidizing agents, Acids.
 No data available
 Carbon oxides, Sulfur oxides, Oxides of phosphorus, Phosphorus compounds, Hydrogen sulfide and smoke, Sodium oxides.
 None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

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

Oral LD50 No information available
Dermal LD50 No information available
Inhalation LC50
Gas No information available
Mist No information available
Vapor No information available

Principle Route of Exposure Skin contact, Eye contact.

Primary Routes of Entry None known.

Acute Effects:

Eyes Causes serious eye irritation.
Skin Low hazard for usual industrial or commercial handling.
Inhalation Low hazard for usual industrial or commercial handling.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity No information available.

Target Organ Effects: Skin, Eyes, Respiratory system.

Aggravated Medical Conditions Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 | Draize Test | Other |
|---------------------------------------|----------------------|-------------------------|-------------------|-------------------|-------------------|
| Pentasodium triphosphate 7758-29-4 | = 3120 mg/kg (Rat) | > 7940 mg/kg (Rabbit) | No data available | No data available | No data available |
| Sodium xylene sulfonate 1300-72-7 | = 1000 mg/kg (Rat) | no data available | No data available | No data available | No data available |
| Sodium hydroxide 1310-73-2 | = 325 mg/kg (Rat) | = 1350 mg/kg (Rabbit) | No data available | No data available | No data available |

Chronic Toxicity

| Chemical name | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|-------------------------------|-------------------|-------------------|------------------------|-----------------------|--------------------------------|
| Sodium hydroxide 1310-73-2 | No data available | No data available | No data available | No data available | Skin; Eyes; Respiratory system |

Carcinogenicity Contains no ingredient listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Additional Ecological Information: No information available

Component Information

| Chemical name | Toxicity to Algae | Toxicity to Fish | Microtox | Crustacea | Partition coefficient |
|--------------------------|---------------------------|--|--------------------------|---------------------------|-----------------------|
| Pentasodium triphosphate | No information available. | LC50 = 1650 mg/L <i>Leuciscus idus</i> 48 h | No information available | No information available. | N/A |
| Sodium hydroxide | No information available. | LC50 = 45.4 mg/L <i>Oncorhynchus mykiss</i> 96 h | No information available | No information available. | N/A |

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

| | |
|----------|---------------|
| DOT | Not regulated |
| TDG | Not regulated |
| ICAO | Not regulated |
| IATA | Not regulated |
| IMDG/IMO | Not regulated |

15. REGULATORY INFORMATION**Inventories**

| | |
|------|----------|
| TSCA | Complies |
| DSL | Complies |

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

See Section 2

CERCLA

| Chemical name | Hazardous Substances RQs | CERCLA EHS RQs |
|------------------|--------------------------|----------------|
| Sodium hydroxide | 1000 lb | Not applicable |

16. OTHER INFORMATION

| | |
|---------------------|---------------------------|
| Prepared By | Kim Franklin |
| Supersedes Date: | 04/10/2017 |
| Issuing Date: | 10/16/2020 |
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| Glossary | No information available. |
| List of References. | No information available. |

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