

SPECTRUM

Environmentally Safe Industrial Cleaner

SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Trade Name: Spectrum Industrial Cleaner

Use of the preparation: Cleaning Agent Concentrate

Company: DTW Innovative Solutions Inc.
5815 N Cypress Ave
Kansas City MO 64119
USA

Telephone: +1 816-453-7575

Fax: +1 816-453-7575 Auto

Emergency Telephone: +1 816-453-7575

2 HAZARDS IDENTIFICATION

Directive 67/548/EEC: Irritant (Xi)

Directive 1999/45/EC: Warning - Irritant

Dangers to Man: May cause mild eye and skin irritation.

Dangers to Environment: Ecological injuries are not known or expected under normal use

3 COMPOSITION ON INGREDIENTS

<u>CAS No.</u>	<u>Registration No.</u>	<u>EEC No.</u>	<u>Ingredient</u>	<u>% range</u>	<u>Symbol</u>	<u>R-Phrase*</u>
111-76-2	603-014-00-0	203-905-0	2-butoxyethanol	1-5%	Xn	R20/21/22
68439-46-3	n.av.	n.av.	C9-C11 Ethoxylated Alcohol	1-5%	Xi	R36/38
					Xi	R36

** Please refer to section 16 for full R- Phrases*

4 FIRST AID MEASURES

Inhalation: Move to fresh air in case of inhalation overexposure. If coughing or irritation persists, consult a physician.

Skin: Wash with water. If redness, swelling or persistent irritation occurs consult a physician.

Eye Contact: Rinse eyes and under eyelids thoroughly with plenty of water for 15 minutes. If irritation persists obtain medical attention.

Ingestion: Clean mouth with water. Drink plenty of water. Do not induce vomiting. If you feel unwell seek medical advice immediately.

Note to Physician: Treat Symptomatically.

5 FIRE FIGHTING MEASURES

Formulation is Stable, non-flammable, and will not burn. No special procedures necessary.

Suitable Extinguishing Media: Use dry chemical, CO2, water spray or "alcohol" foam.

Extinguishing Media to Avoid: High volume water Jet.

Special Exposure Hazards: In event of fire created carbon oxides, oxides of phosphorus may be formed.

Special Protective Equipment: Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** See section 8 – Personal Protective Equipment
- Environmental Precautions:** Do not allow into open waterways and ground water systems. Local authorities should be advised if significant spillages cannot be contained.
- Methods for Clean Up:** Dilute with water and rinse into sanitary sewer systems or soak up with inert absorbent material (i.e. sand).

7 HANDLING AND STORAGE

- Handling:** Keep container tightly closed. Ensure adequate ventilation. Spills can be cleaned with water and rinsed into sanitary sewer systems or soaked up with inert material.
- Storage:** Keep in cool dry area.
- Specific Uses:** All-Purpose Cleaner / Degreaser for hard non-porous surfaces including metals, plastic, rubber, wood and stone. Dilute concentrate to desired strength appropriate to cleaning assignment. Apply to pre-wetted surface, scrub and rinse away.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit Values: 2-butoxyethanol TLV: 20 ppm

Exposure Controls

Occupational

- Respiratory:** In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand:** Prolonged exposure or dermal sensitive individuals should use protective gloves.
- Eye:** **If splashing is likely use protective glasses.**
- Skin:** None.

Environmental Do not dispose into ground water systems.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear / Golden Liquid	Partition Coefficient:	n.av.
Odor:	Faint Detergent	Viscosity:	< 20mPA*s
pH (concentrate):	13.0 - 13.5	Vapor Density:	1,3 (air = 1)
Boiling Point:	212°F	Evaporation Rate:	> 1 (butyl acetate = 1)
Flash Point:	n.ap.	Miscibility:	n.ap.
Flammability:	n.ap.	Fat Solubility:	n.ap.
Explosive Properties:	n.ap.	Conductivity:	n.ap.
Oxidizing Properties:	n.ap.	Melting Point:	n.ap.
Vapor Pressure:	18 mmHg @ 68F; 23.5 mmHg @ 79F	Auto-Ignition:	n.ap.
Relative Density:	1,025 g/ml	Solvent content?	1-5%
Solubility:	100%	Freezing Point:	15°F
Water Solubility:	100% Miscible		

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10 STABILITY AND REACTIVITY

Conditions to avoid: None under normal use.
Materials to avoid: None known.
Hazardous decomposition products: No decomposition if used as directed.

11 TOXICOLOGICAL INFORMATION

Inhalation (LC50, rat, mg/l/4h):	n.av.	Carcinogenicity:	No
Oral (LD50, rat, mg/kg):	13800	Mutagen:	No
Dermal (LD50, rat, mg/kg):	> 5000	Teratogenicity:	No
Irritation (skin):	No	Reproductive Toxicity:	No
Irritation (eyes):	Yes	Narcotic Effects:	No
Sensitisation:	No		

Classification of the preparation has been done by calculation in accordance with EEC directives.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Juvenile whitebait (*G.maculatus*): 210 ppm,
Grass shrimp (*P.puglio*): 220 ppm
Rainbow trout (*Oncorhynchus mykiss*) > 600 ppm

Mobility: n.av

Persistence and degradability:

Biodegradability: Readily Biodegradable – OECD 302B: 97% after 14 days/98% after 28 days

Bioaccumulative potential: n.av

Results of pbt assessment: n.av

BOD5-Value, mg/g : n.av

Significant Components : n.av

AOX-Remarks : n.av

Other adverse effects : None

13 DISPOSAL CONSIDERATIONS

Disposal of any used or unused preparation down any sanitary sewer system and in accordance with regional authorities.

Disposal of Packaging by triple rinsing and offering up for recycling and in accordance with regional authorities.

Never dispose of preparation into lakes, streams, and open bodies of water or storm drains.

Be sure to follow any National or Regional provisions that may be in force.

14 TRANSPORTATION INFORMATION

IMO/ IDMG: Not Classified as Dangerous.

ADR/RID: Not Classified as Dangerous.

ICAO/IATA: Not Classified as Dangerous.

UN Number: Not Required

Class: Non-Hazardous

Proper Shipping Name: n.ap.

Packing Group: n.ap.

Marine pollutant: No

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15 REGULATORY INFORMATION

This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

R-Phrase

R36: Irritating to eyes.

Hazard Symbols



S-Phrase

S2: Keep out of the reach of children.

S25: Avoid contact with eyes.

S37: Wear suitable protective gloves.

S51: Use only in well-ventilated areas

VOC Content

Contains 5.8% VOC according to California Air Resources Board Method 310.

Contains 5.9% VOC according to EPA method 24

16 OTHER INFORMATION

R-Phrase

R20/21/22: Harmful by Inhalation, in contact with skin and if swallowed.

R36: Irritating to eyes.

R36/38: Irritating to eyes and skin.

The statements in this Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

Date of Issue: 5-30-2015

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