



SAFETY DATA SHEET (Retail) Power

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

PRODUCT NAME	(Retail) Power
PRODUCT NO.	440-2
APPLICATION	Cleaning agent
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2 HAZARDS IDENTIFICATION

Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

CLASSIFICATION Xn;R65. R66.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-(2-BUTOXYETHOXY)ETHANOL	203-961-6	112-34-5	5-10%	Xi;R36
FATTY ALCOHOL ETHOXYLATE		68439-46-3	5-10%	Xi;R36/38.
ODOURLESS KEROSENE	265-149-8	64742-47-8	60-100%	Xn;R65. R66.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc. Carbon dioxide (CO2).

(Retail) Power**SPECIAL FIRE FIGHTING PROCEDURES**

Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. Clean-up personnel should use respiratory and/or liquid contact protection.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. During application and drying, solvent vapours will be emitted.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
2-(2-BUTOXYETHOXY)ETHANOL	WEL	10 ppm	67,5 mg/m ³	15 ppm	101,2 mg/m ³	
ODOURLESS KEROSENE	WEL		1000 mg/m ³			

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Provide eyewash station.

ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with: Gas cartridge suitable for organic substances.

HAND PROTECTION

Use protective gloves made of: Nitrile. Neoprene. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Provide eyewash station. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Light brown

(Retail) Power

ODOUR	Pleasant, agreeable.		
SOLUBILITY	Slightly soluble in water. Miscible with Ordinary solvents.		
BOILING POINT (°C)	200-260	RELATIVE DENSITY	Approx. 0.800 @ 20 °c
EVAPORATION RATE	0.1 BuAc=1	FLASH POINT (°C)	78 CC (Closed cup).

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 > 4000 mg/kg (oral rat)

GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

Vapours may cause headache, fatigue, dizziness and nausea.

INGESTION

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs. Ingestion of even small quantities may be fatal.

SKIN CONTACT

May cause defatting of the skin, but is not an irritant.

EYE CONTACT

No specific health warnings noted. Spray and vapour in the eyes may cause irritation and smarting.

ROUTE OF ENTRY

Inhalation. Ingestion.

MEDICAL SYMPTOMS

Skin contact may cause: Skin irritation. Allergic rash. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Irritation of eyes and mucous membranes. Ingestion may cause: Severe abdominal pain. Nausea, vomiting. If swallowed, especially in large quantities: Unconsciousness, possibly death.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l >1000MG/L

EC 50, 48 Hrs, DAPHNIA, mg/l >1000MG/L

IC 50, 72 Hrs, ALGAE, mg/l >1000MG/L

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

The packaging must be empty (drop-free, when inverted)

DISPOSAL METHODS

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

15 REGULATORY INFORMATION**LABELLING**

(Retail) Power

Harmful

CONTAINS

ODOURLESS KEROSENE

RISK PHRASES

R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.

SAFETY PHRASES

S2 Keep out of the reach of children
 S13 Keep away from food, drink and animal feeding stuffs.
 S23 Do not breathe vapour/spray.
 S35 This material and its container must be disposed of in a safe way.
 S37 Wear suitable gloves.
 S46 If swallowed, seek medical advice immediately and show this container or label.

DETERGENT LABELLING

5 - < 15% Non-ionic surfactants
 Contains Diethyl Phthalate

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

GENERAL INFORMATION

Only trained personnel should use this material. This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.

REVISION DATE 31/03/2009

REV. NO./REPL. SDS GENERATED 5

RISK PHRASES IN FULL

R36 Irritating to eyes.
 R36/38 Irritating to eyes and skin.
 R65 Harmful: may cause lung damage if swallowed.
 R66 Repeated exposure may cause skin dryness or cracking.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.