

Version Number: 1

Preparation date: 2005-08-28

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	TWISTER POWER Cleaner/Degreaser
MSDS #:	MS0600080
Product code:	U22645, U22646, U22647, U22648
Recommended use:	Industrial .
Manufacturer, importer, supplier:	Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 770-447-9000 MSDS Internet Address: www.unisourcelink.com
Emergency telephone number:	1-800-535-5053

2. HAZARDS IDENTIFICATION
EMERGENCY OVERVIEW

• WARNING

- CAUSES EYE AND SKIN IRRITATION
- MAY BE HARMFUL IF SWALLOWED

Principle routes of exposure:	<ul style="list-style-type: none"> • Eyes • Skin • Inhalation
Inhalation:	• May be irritating to nose, throat, and respiratory tract
Ingestion:	• May be irritating to mouth, throat and stomach
Skin contact:	• Severe skin irritation
Eye contact:	• Severe eye irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS
HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %
Sodium hydroxide	1310-73-2	0.1 - 1.5%
Sodium silicate	1344-09-8	1 - 5 %
2-butoxyethanol	111-76-2	1 - 5 %
Sodium dodecylbenzene sulfonate	25155-30-0	1 - 5 %
Ethyl alcohol	64-17-5	0.1 - 1.5%

HAZARDOUS COMPONENTS

Ingredient	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	140 mg/kg (rat)	Not available	Not available
Sodium silicate	1960 mg/kg (rat)	4640 mg/kg (rabbit)	Not available
2-butoxyethanol	470 mg/kg (rat)	220 mg/kg (rabbit)	450 ppm (rat)
Sodium dodecylbenzene sulfonate	438 mg/kg (rat)	Not available	Not available
Ethyl alcohol	7060 mg/kg (rat)	Not available	20 g/kg/10H (rat)

4. FIRST AID MEASURES

Eye contact:	<ul style="list-style-type: none"> • Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open • Get medical attention
Skin contact:	<ul style="list-style-type: none"> • Flush immediately with plenty of water for at least 15 minutes • Get medical attention
Inhalation:	<ul style="list-style-type: none"> • If breathing is affected, remove to fresh air • Get medical attention

Ingestion:	<ul style="list-style-type: none"> • Immediately drink one cupful of water or milk • Never give anything by mouth to an unconscious person • Get medical attention
Aggravated Medical Conditions:	<ul style="list-style-type: none"> • Persons with pre-existing skin disorders may be more susceptible to irritating effects

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	<ul style="list-style-type: none"> • Use dry chemical, CO2, water spray or "alcohol" foam
Specific hazards:	<ul style="list-style-type: none"> • Not applicable
Unusual hazards:	<ul style="list-style-type: none"> • None known
Specific methods:	<ul style="list-style-type: none"> • No special methods required

Special protective equipment for firefighters:

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

Extinguishing media which must not be used for safety reasons:

No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	<ul style="list-style-type: none"> • Put on appropriate personal protective equipment (see Section 8.)
Environmental precautions and clean-up methods:	<ul style="list-style-type: none"> • Clean-up methods - large spillage • Prevent product from entering drains • Soak up with inert absorbent material • Sweep up and shovel into suitable containers for disposal • Use a water rinse for final clean-up

7. HANDLING AND STORAGE

Handling:	<ul style="list-style-type: none"> • Avoid contact with skin, eyes and clothing • Wash thoroughly after handling
FOR COMMERCIAL AND INDUSTRIAL USE ONLY	
Storage:	<ul style="list-style-type: none"> • Protect from freezing • Keep tightly closed in a dry, cool and well-ventilated place • Keep out of the reach of children

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

- No special ventilation requirements
- General room ventilation is adequate

Personal Protective Equipment

Eye protection:	<ul style="list-style-type: none"> • Safety glasses with side-shields
Hand protection:	<ul style="list-style-type: none"> • Chemical resistant gloves • Includes • Neoprene gloves
Skin and body protection:	<ul style="list-style-type: none"> • No special requirements under normal use conditions • If major exposure is possible, wear suitable protective clothing and footwear
Respiratory protection:	<ul style="list-style-type: none"> • No special requirements under normal use conditions
Hygiene measures:	<ul style="list-style-type: none"> • Handle in accordance with good industrial hygiene and safety practice



Ingredient	CAS #	ACGIH	OSHA	Mexico
Sodium hydroxide	1310-73-2	2 mg/m ³ (Ceiling)	2 mg/m ³	2 mg/m ³ (Ceiling)
2-butoxyethanol	111-76-2	20 ppm (TWA)	240 mg/m ³ 50 ppm Can be absorbed through the skin.	360 mg/m ³ (STEL) 120 mg/m ³ (TWA)
Ethyl alcohol	64-17-5	1000 ppm (TWA)	1900 mg/m ³ 1000 ppm	1900 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	Aqueous solution
Color:	Clear Green	Odor:	Mild
Specific gravity:	1.035	pH:	12.5
Dilution pH:	No information available	Density:	8.62
Bulk density:	No information available	Vapor density:	No information available
Evaporation rate:	No information available	Solubility:	Soluble
VOC:	3.15%	Viscosity:	No information available
Solubility in other solvents:	No information available		
Partition coefficient (n-octanol/water):	No information available		
Boiling point/range:	Not determined		
Melting point/range:	Not determined		
Flash point:	>200 (°F)>93.3 (°C)		
Decomposition temperature:	Not determined		
Autoignition temperature:	No information available		

10. STABILITY AND REACTIVITY

Stability:	<ul style="list-style-type: none"> The product is stable
Polymerization:	<ul style="list-style-type: none"> Hazardous polymerisation does not occur
Hazardous decomposition products:	<ul style="list-style-type: none"> None reasonably foreseeable

11. TOXICOLOGICAL INFORMATION

Acute toxicity	<ul style="list-style-type: none"> Oral LD50 Estimated to be between 2000 - 5000 mg/kg
Component Information:	<ul style="list-style-type: none"> See Section 3
Chronic toxicity:	<ul style="list-style-type: none"> None known
Specific effects	
Carcinogenic effects:	<ul style="list-style-type: none"> None known
Mutagenic effects:	<ul style="list-style-type: none"> None known
Reproductive toxicity:	<ul style="list-style-type: none"> None known
Target organ effects:	<ul style="list-style-type: none"> None known

HAZARDOUS COMPONENTS

Ingredient	CAS #	NTP	IARC	OSHA
Ethyl alcohol	64-17-5	Listed.		

12. ECOLOGICAL INFORMATION

Environmental Information:	<ul style="list-style-type: none"> no data available
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13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	<ul style="list-style-type: none"> Undiluted product is regulated under environmental and transportation laws as a corrosive waste
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14. TRANSPORT INFORMATION

DOT/TDG:	<ul style="list-style-type: none"> Please refer to the Bill of Lading/receiving documents for up to date shipping information
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15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

SARA 311/312 Hazard Categories

Immediate:	Y
Delayed:	N
Fire:	N
Reactivity:	N
Sudden Release of Pressure:	N

Canada

Ingredient	CAS #	NPRI
2-butoxyethanol	111-76-2	Listed

WHMIS hazard class: Not for sale in Canada .

STATE RIGHT TO KNOW

Ingredient	CAS #	NJRTK:	MARTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Sodium hydroxide	1310-73-2	Listed	Listed	Listed	Listed	Listed	Listed
Water	7732-18-5	-	-	-	-	-	-
2-butoxyethanol	111-76-2	Listed	Listed	Listed	Listed	Listed	-
Sodium silicate	1344-09-8	-	-	-	-	-	-
Ethyl alcohol	64-17-5	Listed	Listed	Listed	Listed	Listed	Listed
Sodium dodecylbenzene sulfonate	25155-30-0	Listed	Listed	Listed	-	Listed	Listed

CERCLA / SARA

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium hydroxide	1310-73-2	0.1 - 1.5%	1000		
2-butoxyethanol	111-76-2	1 - 5 %			Listed.
Ethyl alcohol	64-17-5	0.1 - 1.5%	100		
Sodium dodecylbenzene sulfonate	25155-30-0	1 - 5 %	1000		

16. OTHER INFORMATION

HMIS	Health	2	Fire Hazard	0	Reactivity	0
NFPA	Health:	2	Flammability:	0	Instability:	0

Reason for revision: Not applicable

Prepared by: NAPRAC

Additional advice: None

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