

# ITEM: 2CXX5 - Powdered Laundry Detergent 50 lb

MSDS: B0746

ORDER: 0048919214

LP NUMBER: U331392275

## MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - B0746

Associated Grainger Items  
2CXX5, 2CXX6

CP INDUSTRIES

MATERIAL SAFETY DATA SHEET

DATE PREPARED: JANUARY 3, 2006

### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTITY: TOUGH GUY LAUNDRY DETERGENT, GRAINGER #'S 2CXX5, 2CXX6

MANUFACTURER NAME:  
CP INDUSTRIES  
560 NORTH 500 WEST  
SALT LAKE CITY, UT 84116  
(801) 521-0313

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	CAS#	PERCENT RANGE
SODIUM CARBONATE	497-19-8	25-35%
SODIUM CHLORIDE	7647-14-5	55-65%
SODIUM SILICATE	1344-09-8	4-7%
NONYLPHENOL ETHOXYLATE	9016-45-9	4-7%
SODIUM POLYACRYLATE	9000-04-1	<1%
PROTEASE ENZYME	N/A	<1%
TRIAZINYL STILBENE	PROPRIETARY	<1%
FRAGRANCE	N/A	<0.1%

HAZARD RATINGS:  
HEALTH 2 - MODERATE  
FIRE 0 - LEAST  
REACTIVITY 0 - LEAST

### SECTION 3. HAZARDS IDENTIFICATION

APPEARANCE AND ODOR: BLUE FREE FLOWING GRANULAR POWDER WITH CITRUS ODOR

STATEMENT OF HAZARDS: CONTACT MAY CAUSE EYE AND SKIN IRRITATION

FIRE AND EXPLOSION HAZARDS:  
NOT FLAMMABLE IN NORMAL CIRCUMSTANCES, HOWEVER UNDER FIRE CONDITIONS IT MAY DECOMPOSE TO GIVE OFF TOXIC GASES SUCH AS CARBON DIOXIDE, CARBON MONOXIDE, AND VARIOUS HYDROCARBONS.

PRIMARY ROUTE OF EXPOSURE:  
SKIN AND EYE CONTACT ARE THE PRIMARY ROUTES OF EXPOSURE TO THIS PRODUCT.

SKIN CONTACT - ACUTE: SKIN CONTACT MAY CAUSE MILD IRRITATION.

EYE CONTACT - ACUTE: EYE CONTACT CAN CAUSE IRRITATION

INHALATION - ACUTE:  
THIS PRODUCT IS NOT LIKELY TO PRESENT AN INHALATION HAZARD AT NORMAL TEMPERATURES, HOWEVER THIS PRODUCT CAN BE STIRRED UP TO AN IRRITATING DUST AND AT ELEVATED TEMPERATURES, VAPORS, MIST OR FUMES CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT.

INGESTION - ACUTE: CAN CAUSE IRRITATION OF MUCOUS MEMBRANES

### SECTION 4. FIRST AID MEASURES

INHALATION FIRST AID:  
INHALATION IS UNLIKELY; HOWEVER, IF IT DOES OCCUR, REMOVE VICTIM TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. GET MEDICAL ATTENTION

SKIN CONTACT FIRST AID:  
WASH OFF WITH WATER. IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.

EYE CONTACT FIRST AID:  
IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS APART TO ENSURE FLUSHING OF ENTIRE EYE SURFACE. SEEK MEDICAL ATTENTION.

INGESTION FIRST AID:  
IF SWALLOWED DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION.

### SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT: GREATER THAN 212.0 F 100.0 C  
FLASH METHOD: PENSKY-MARTEN'S CLOSED CUP

LOWER IGNITION TEMPERATURE: GREATER THAN 302.0 F 150.0 C

UPPER EXPLOSION LIMIT: N/D  
LOWER EXPLOSION LIMIT: N/D

EXTINGUISHING MEDIA:  
REGULAR FOAM, DRY CHEMICAL OR CARBON DIOXIDE. DIRECT APPLICATION OF HIGH PRESSURE WATER STREAMS MAY SCATTER BURNING MATERIAL.

FIRE FIGHTING PROCEDURE:

AS IN ANY FIRE, PREVENT HUMAN EXPOSURE TO FIRE, SMOKE, FUMES, OR PRODUCTS OF COMBUSTION. EVACUATE NON-ESSENTIAL PERSONNEL FROM THE FIRE AREA. FIREFIGHTERS SHOULD WEAR POSITIVE PRESSURE/PRESSURE DEMAND, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING. IF POSSIBLE REMOVE CONTAINERS FROM THE FIRE AREA. KEEP FIRE EXPOSED CONTAINERS COOL WITH A WATER FOG OR SPRAY TO PREVENT EXCESSIVE HEAT. HIGH PRESSURE WATER MAY SPREAD PRODUCT FROM BROKEN CONTAINERS INCREASING CONTAMINATION OR FIRE HAZARD.

FIRE AND EXPLOSION HAZARD:  
THIS PRODUCT IS NOT DEFINED AS FLAMMABLE OR COMBUSTIBLE, HOWEVER UNDER FIRE CONDITIONS IT MAY SUPPORT COMBUSTION AND PRODUCE TOXIC OXIDES OF CARBON AND VARIOUS HYDROCARBONS.

OTHER FIRE AND EXPLOSION HAZARDS:  
NO OTHER FIRE OR EXPLOSION HAZARDS OF THIS PRODUCT ARE KNOWN.

NFPA HEALTH RATING 2  
NFPA FLAMMABILITY RATING 0  
NFPA REACTIVITY RATING 0

### SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEANUP:  
CLEAN UP SPILLS BY SWEEPING UP OR SHOVELING UP MATERIAL. THEN FLUSH SPILL AREA WITH WATER.

### SECTION 7. HANDLING AND STORAGE

HANDLING:  
WEAR PROTECTIVE EQUIPMENT WHEN HANDLING THIS PRODUCT TO AVOID EYE AND SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING.

STORAGE:  
CONTAINERS SHOULD BE STORED IN COOL DRY WELL VENTILATED AREA AWAY FROM STRONG OXIDIZING AGENTS.

MAXIMUM STORAGE TEMPERATURE:  
120.0 F 49.0 C  
SEE GENERAL COMMENTS

GENERAL COMMENTS:  
KEEP CONTAINERS TIGHTLY CLOSED UNTIL READY FOR USE. THE STATED MAXIMUM STORAGE TEMPERATURE IS FOR QUALITY PURPOSES ONLY. TEMPERATURES EXCEEDING 120 F MAY CAUSE COLOR DEGRADATION, AND AN OVERALL DECREASE IN PRODUCT QUALITY.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: DUST MASK IF DUST IS EXCESSIVE.

SKIN PROTECTION:  
GLOVES SHOULD BE WORN WHEN EXCESSIVE SKIN CONTACT CANNOT BE AVOIDED.

EYE PROTECTION:  
EYE PROTECTION IS RECOMMENDED IN ALL INDUSTRIAL WORK PLACES.

FOR EXPOSURE LIMITS SEE SECTION 11.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: N/D

VAPOR DENSITY (AIR = 1.0): N/D

DENSITY: 1.1 G/CM3

PERCENT VOLATILE MATTER: N/D

EVAPORATION RATE: N/D

SOLUBILITY IN WATER: ABOUT 15%

APPEARANCE: BLUE GRANULAR

ODOR: CITRUS

pH: N/D

### SECTION 10. STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: EXPOSURE TO HIGH TEMPERATURES

INCOMPATIBILITY: STRONG OXIDIZING AGENTS

DECOMPOSITION: TOXIC OXIDES OF CARBON AND HYDROCARBONS

POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR

### SECTION 11. TOXICOLOGICAL INFORMATION

ALTHOUGH NO SPECIFIC EXPOSURE LIMIT HAS BEEN ESTABLISHED FOR THIS PRODUCT OSHA AND ACGIH HAVE ESTABLISHED LIMITS FOR NUISANCE DUST:

OSHA PEL/TWA:  
TOTAL 15 MG/M3  
RESPIRABLE 5 MG/M3  
8-HOUR TWA

ACGIH TLV/TWA:  
TOTAL 10 MG/M3  
8 HOUR TWA

EYE CONTACT: PAINFUL INFLAMMATION/REVERSIBLE DAMAGE WITH PROMPT FIRST AID.

INHALATION: NUISANCE DUST IRRITATING TO NOSE, THROAT, AND LUNGS.

SKIN CONTACT: PROLONGED CONTINUAL EXPOSURE CAN BE IRRITATING.

INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION.

CHRONIC: NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

SECTION 12. ECOLOGICAL INFORMATION

THIS PRODUCT IS THOUGHT TO BE BIODEGRADABLE UNDER MOST DEFINITIONS OF THE TERM.

SECTION 13. DISPOSAL CONSIDERATIONS

THIS PRODUCT AND/OR ITS COMPONENTS ARE FOUND IN MANY CONSUMER FOOD, DRUG, AND COSMETIC ITEMS. RELEASE TO SANITARY SEWER IN SMALL AMOUNTS IS INHERENT WITH THESE END USES. NO DISPOSAL METHOD SHOULD BE USED WHICH WOULD POSE AN ENVIRONMENTAL OR HUMAN HEALTH THREAT INCLUDING AND WHICH WOULD CONTAMINATE GROUND OR SURFACE WATERS.

SECTION 14. TRANSPORT INFORMATION

HAZARD CLASS: NON HAZARDOUS

SECTION 15. REGULATORY INFORMATION

OSHA CATEGORY: NON HAZARDOUS

309.10 SUPPLIER NOTIFICATION: NOT REPORTABLE

ALL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY

SECTION 16. OTHER INFORMATION

SPECIAL PRECAUTIONS OR OTHER COMMENTS:  
CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

SPECIAL PRECAUTIONS OR OTHER COMMENTS:  
THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE REGARDLESS OF WHOM IT ORIGINATES WITH. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.