

ITEM: 10C425 - Floor Stripper Size 5 gal.

PICK REQ: 1305520330

SAFETY DATA SHEET (SDS)

SDS: D8772

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

SDS - D8772

Associated Grainger Item: 10C425 - Floor Stripper Size 5 gal.

SEALED AIR
DIVERSEY CARE

SAFETY DATA SHEET

BRAVO HEAVY-DUTY LOW ODOR STRIPPER

VERSION NUMBER: 1

PREPARATION DATE: 2014-05-19

1. IDENTIFICATION

PRODUCT NAME: BRAVO HEAVY-DUTY LOW ODOR STRIPPER

PRODUCT CODE: 95115940, 95115958, 95115991

SDS #: MS0800180

RECOMMENDED USE:
INDUSTRIAL/INSTITUTIONAL
FLOOR STRIPPER

THIS PRODUCT IS INTENDED TO BE DILUTED PRIOR TO USE

USES ADVISED AGAINST: USES OTHER THAN THOSE IDENTIFIED ARE NOT RECOMMENDED

MANUFACTURER, IMPORTER, SUPPLIER:

US HEADQUARTERS:
DIVERSEY, INC.
8310 16TH ST.
STURTEVANT, WISCONSIN 53177-1964

PHONE: 1-888-352-2249

MSDS INTERNET ADDRESS: WWW.DIVERSEY.COM

CANADIAN HEADQUARTERS:
DIVERSEY, INC. - CANADA
2401 BRISTOL CIRCLE
OAKVILLE, ONTARIO L6H 6P1

PHONE: 1-800-668-3131

EMERGENCY TELEPHONE NUMBER:
1-800-851-7145 (U.S.)
1-651-917-6133 (INT'L)

2. HAZARDS IDENTIFICATION

CLASSIFICATION FOR THE UNDILUTED PRODUCT:
SKIN CORROSION/IRRITATION: CATEGORY 1A
SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): CATEGORY 3

CORROSION
EXCLAMATION MARK

SIGNAL WORD: DANGER

PRECAUTIONARY STATEMENTS:
CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. CAUSES BURNS/SERIOUS DAMAGE TO MOUTH, THROAT AND STOMACH. DO NOT BREATHE VAPORS. WASH AFFECTED AREAS THOROUGHLY AFTER HANDLING. USE ONLY IN A WELL-VENTILATED AREA. WEAR CHEMICAL-SPLASH GOGGLES, CHEMICAL-RESISTANT GLOVES AND PROTECTIVE FOOTWEAR.

IF SWALLOWED:
RINSE MOUTH. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. DRINK A CUPFUL OF MILK OR WATER.

IF ON SKIN (OR HAIR):
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER FOR AT LEAST 15 MINUTES.

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

IF IN EYES:
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING FOR AT LEAST 15 MINUTES. IMMEDIATELY CALL A POISON CENTER (1-800-851-7145) OR DOCTOR/PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE. STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL APPLICABLE REGULATIONS.

HEALTH HAZARDS NOT OTHERWISE CLASSIFIED (HNNOC): NOT APPLICABLE

PHYSICAL HAZARDS NOT OTHERWISE CLASSIFIED (PHNOC): NOT APPLICABLE

CLASSIFICATION FOR THE DILUTED PRODUCT @ 1:4:
SKIN CORROSION/IRRITATION: CATEGORY 1B
SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 1

CORROSION

DILUTION SIGNAL WORD: DANGER

PRECAUTIONARY STATEMENTS:
CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. CAUSES BURNS/SERIOUS DAMAGE TO MOUTH, THROAT AND STOMACH. KEEP CONTAINER TIGHTLY CLOSED. DO NOT BREATHE

VAPORS. WASH AFFECTED AREAS THOROUGHLY AFTER HANDLING. WEAR CHEMICAL-SPLASH GOGGLES, CHEMICAL-RESISTANT GLOVES AND PROTECTIVE FOOTWEAR.

IF SWALLOWED:
RINSE MOUTH. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. DRINK A CUPFUL OF MILK OR WATER.

IF ON SKIN (OR HAIR):
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER FOR AT LEAST 15 MINUTES.

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

IF IN EYES:
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING FOR AT LEAST 15 MINUTES. IMMEDIATELY CALL A POISON CENTER (1-800-851-7145) OR DOCTOR/PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL APPLICABLE REGULATIONS.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CLASSIFIED INGREDIENTS:

INGREDIENT(S)	CAS #	WEIGHT %
SODIUM HYDROXIDE	1310-73-2	5 - 10%
MONOETHANOLAMINE	141-43-5	5 - 10%
ETHYL ALCOHOL	64-17-5	>0.1% - <1%

*EXACT PERCENTAGES ARE BEING WITHHELD AS TRADE SECRET INFORMATION

4. FIRST AID MEASURES

UNDILUTED PRODUCT:

EYES:

IF IN EYES:
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING FOR AT LEAST 15 MINUTES.

SKIN:

IF ON SKIN (OR HAIR):
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER FOR AT LEAST 15 MINUTES.

INHALATION:

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

INGESTION:

IF SWALLOWED:
RINSE MOUTH. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. DRINK A CUPFUL OF MILK OR WATER.

MOST IMPORTANT SYMPTOMS/EFFECTS: NO INFORMATION AVAILABLE.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: NOT APPLICABLE.

AGGRAVATED MEDICAL CONDITIONS:
INDIVIDUALS WITH CHRONIC RESPIRATORY DISORDERS SUCH AS ASTHMA, CHRONIC BRONCHITIS, EMPHYSEMA, ETC., MAY BE MORE SUSCEPTIBLE TO IRRITATING EFFECTS.

DILUTED PRODUCT:

EYES:

IF IN EYES:
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING FOR AT LEAST 15 MINUTES

SKIN:

IF ON SKIN (OR HAIR):
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER FOR AT LEAST 15 MINUTES

INHALATION:

IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING

INGESTION:

IF SWALLOWED:
RINSE MOUTH. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. DRINK A CUPFUL OF MILK OR WATER

5. FIRE-FIGHTING MEASURES

SPECIFIC METHODS: NO SPECIAL METHODS REQUIRED

SUITABLE EXTINGUISHING MEDIA:
THE PRODUCT IS NOT FLAMMABLE. EXTINGUISH FIRE USING AGENT SUITABLE FOR SURROUNDING FIRE.

SPECIFIC HAZARDS: NOT APPLICABLE.

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:

PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8.).

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

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:

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. DO NOT TASTE OR SWALLOW. AVOID BREATHING VAPORS OR MISTS. USE ONLY WITH ADEQUATE VENTILATION. REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE. WASH THOROUGHLY AFTER HANDLING. PRODUCT RESIDUE MAY REMAIN ON/IN EMPTY CONTAINERS. ALL PRECAUTIONS FOR HANDLING THE PRODUCT MUST BE USED IN HANDLING THE EMPTY CONTAINER AND RESIDUE. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

STORAGE:

PROTECT FROM FREEZING. KEEP TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE. KEEP OUT OF REACH OF CHILDREN.

AEROSOL LEVEL (IF APPLICABLE): NOT APPLICABLE

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

INGREDIENT(S)	CAS #	ACGIH	OSHA
SODIUM HYDROXIDE	1310-73-2	2 MG/M3 (CEILING)	2 MG/M3 (TWA)
MONOETHANOLAMINE	141-43-5	6 PPM (STEL) 3 PPM (TWA)	3 PPM (TWA) 6 MG/M3 (TWA)
ETHYL ALCOHOL	64-17-5	1000 PPM (STEL)	1000 PPM (TWA) 1900 MG/M3 (TWA)

UNDILUTED PRODUCT:

ENGINEERING MEASURES TO REDUCE EXPOSURE:

USE ONLY IN WELL-VENTILATED AREAS. GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. RESPIRATORY PROTECTION IS NOT REQUIRED IF GOOD VENTILATION IS MAINTAINED.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION: CHEMICAL-SPLASH GOGGLES.

HAND PROTECTION: CHEMICAL-RESISTANT GLOVES.

SKIN AND BODY PROTECTION:

PROTECTIVE FOOTWEAR. IF MAJOR EXPOSURE IS POSSIBLE, WEAR SUITABLE PROTECTIVE CLOTHING AND FOOTWEAR.

RESPIRATORY PROTECTION:

IN CASE OF INSUFFICIENT VENTILATION WEAR SUITABLE RESPIRATORY EQUIPMENT. A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

HYGIENE MEASURES:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

DILUTED PRODUCT:

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION: CHEMICAL-SPLASH GOGGLES.

HAND PROTECTION: CHEMICAL-RESISTANT GLOVES.

SKIN AND BODY PROTECTION: PROTECTIVE FOOTWEAR.

RESPIRATORY PROTECTION:

NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS.

HYGIENE MEASURES:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

COLOR: CLEAR, COLORLESS

EVAPORATION RATE: NO INFORMATION AVAILABLE

ODOR: NO ODOR/ODORLESS

ODOR THRESHOLD: NO INFORMATION AVAILABLE.

BOILING POINT/RANGE: NOT DETERMINED

MELTING POINT/RANGE: NOT DETERMINED

DECOMPOSITION TEMPERATURE: NOT DETERMINED

AUTOIGNITION TEMPERATURE: NO INFORMATION AVAILABLE

SOLUBILITY: COMPLETELY SOLUBLE

SOLUBILITY IN OTHER SOLVENTS: NO INFORMATION AVAILABLE

RELATIVE DENSITY (RELATIVE TO WATER): 1.089

DENSITY:

9.08 LBS/GAL
1.089

VAPOR DENSITY: NO INFORMATION AVAILABLE

BULK DENSITY: NO INFORMATION AVAILABLE

VAPOR PRESSURE: NO INFORMATION AVAILABLE.

FLASH POINT:

>200 DEG. F
>93.3 DEG. C

PARTITION COEFFICIENT (N-OCTANOL/WATER): NO INFORMATION AVAILABLE

DILUTION FLASH POINT:

>200 DEG. F
>93.3 DEG. C

VISCOSITY: NO INFORMATION AVAILABLE

ELEMENTAL PHOSPHORUS: 0% BY WT.

VOC: 5.13% *

PH: 13

VOC % BY WT. AT USE DILUTION: 1.03% *

DILUTION PH: 12.3 @ 1:4

FLAMMABILITY (SOLID OR GAS): NOT APPLICABLE

METAL CORROSION: NOT DETERMINED

EXPLOSION LIMITS:

UPPER: NOT DETERMINED
LOWER: NOT DETERMINED

* - TITLE 17, CALIFORNIA CODE OF REGULATIONS, DIVISION 3, CHAPTER 1, SUBCHAPTER 8.5, ARTICLE 2, CONSUMER PRODUCTS, SECTIONS 94508

10. STABILITY AND REACTIVITY

REACTIVITY: NOT APPLICABLE

STABILITY: THE PRODUCT IS STABLE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE REASONABLY FORESEEABLE.

MATERIALS TO AVOID: NONE KNOWN.

CONDITIONS TO AVOID: NO INFORMATION AVAILABLE.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION

DELAYED, IMMEDIATE, OR CHRONIC EFFECTS AND SYMPTOMS FROM SHORT AND LONG-TERM EXPOSURE:

SKIN CONTACT:

CORROSIVE. CAUSES SEVERE BURNS. SYMPTOMS MAY INCLUDE BURNS, BLISTERS, REDNESS AND PAIN (WHICH MAY BE DELAYED).

EYE CONTACT:

CORROSIVE. CAUSES SERIOUS EYE DAMAGE. SYMPTOMS MAY INCLUDE PAIN, BURNING SENSATION, REDNESS, WATERING, BLURRED VISION OR LOSS OF VISION.

INGESTION:

CAUSES BURNS/SERIOUS DAMAGE TO MOUTH, THROAT AND STOMACH. SYMPTOMS MAY INCLUDE STOMACH PAIN AND NAUSEA.

INHALATION:

MAY CAUSE IRRITATION AND CORROSIVE EFFECTS TO NOSE, THROAT AND RESPIRATORY TRACT. SYMPTOMS MAY INCLUDE COUGHING AND DIFFICULTY BREATHING.

SENSITIZATION: NO KNOWN EFFECTS.

INGREDIENT(S)	CAS #	NTP	IARC	OSHA
ETHYL ALCOHOL	64-17-5			

NUMERICAL MEASURES OF TOXICITY:

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT:

ATE - ORAL (MG/KG): >5000 MG/KG
ATE - DERMAL (MG/KG): >5000 MG/KG MG/L
ATE - INHALATORY, MISTS (MG/L): >20 MG/L
ATE - INHALATORY, VAPORS (MG/L): >50 MG/L

12. ECOLOGICAL INFORMATION

ECOTOXICITY: NO INFORMATION AVAILABLE.

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION: NO INFORMATION AVAILABLE.

13. DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES / UNUSED PRODUCTS:

THIS PRODUCT, AS SOLD, IF DISCARDED OR DISPOSED, IS A HAZARDOUS WASTE ACCORDING TO FEDERAL REGULATIONS (40 CFR 261.4 (B)(4)). DISPOSE IN COMPLIANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL LAWS AND REGULATIONS. THIS PRODUCT, WHEN DILUTED AS STATED ON THIS SDS, IS NOT A HAZARDOUS WASTE ACCORDING TO FEDERAL REGULATIONS (40 CFR 261.4 (B)(4)). UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF THE PRODUCT TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER THE WASTE SOLUTION MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. DISPOSE IN COMPLIANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL LAWS AND REGULATIONS.

CONTAMINATED PACKAGING: DO NOT RE-USE EMPTY CONTAINERS.

RCRA HAZARD CLASS (UNDILUTED PRODUCT): D002 CORROSIVE WASTE

RCRA HAZARD CLASS (DILUTED PRODUCT): NOT REGULATED

14. TRANSPORT INFORMATION

DOT/TDG/IMDG:

PLEASE REFER TO THE DIVERSEY HAZMAT LIBRARY, ONLY AVAILABLE THROUGH INTERNET EXPLORER, [HTTP://NAEXTRANET.DIVERSEY.COM/DOI/](http://NAEXTRANET.DIVERSEY.COM/DOI/), FOR UP TO DATE SHIPPING INFORMATION.

DOT (GROUND) BILL OF LADING DESCRIPTION:

UN2266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (SODIUM HYDROXIDE, ETHANOLAMINE), 8, II

IMDG (OCEAN) BILL OF LADING DESCRIPTION:
UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (SODIUM HYDROXIDE,
ETHANOLAMINE), 8, II

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES AT CAS# LEVEL:

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE FOLLOWING INVENTORIES:
U.S.A. (TSCA), CANADA (DSL/NDL).

U.S. REGULATIONS:

CALIFORNIA PROPOSITION 65:
THIS PRODUCT IS NOT SUBJECT TO THE REPORTING REQUIREMENTS UNDER
CALIFORNIA'S PROPOSITION 65.

RIGHT TO KNOW (RTK):

INGREDIENT(S)	CAS #	MARTK	NJRTK	PARTK	RIRTK
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WATER	7732-18-5				
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SODIUM HYDROXIDE	1310-73-2	X		X	X
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MONOETHANOLAMINE	141-43-5	X		X	X
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ETHYL ALCOHOL	64-17-5	X	X	X	
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CERCLA/SARA:

INGREDIENT(S)	CAS #	WEIGHT %	CERCLA/SARA	SECTION 302	SECTION	
				RQ (LBS)	TPQ (LBS)	

SODIUM HYDROXIDE	1310-73-2	5 - 10%	1000			313
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SARA 311/312 HAZARD CATEGORIES:

IMMEDIATE (X)

DELAYED ()

FIRE ()

REACTIVITY ()

SUDDEN RELEASE OF PRESSURE ()

CANADA:

INGREDIENT(S)	CAS #	NPRI
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ETHYL ALCOHOL	64-17-5	X
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16. OTHER INFORMATION

NFPA:

HEALTH 3

FLAMMABILITY 0

INSTABILITY 0

VERSION NUMBER: 1

PREPARATION DATE: 2014-05-19

REASON FOR REVISION: NOT APPLICABLE

PREPARED BY: NAPRAC

ADDITIONAL ADVICE: DOES NOT CONTAIN AN ADDED FRAGRANCE

NOTICE TO READER:

THIS DOCUMENT HAS BEEN PREPARED USING DATA FROM SOURCES CONSIDERED
TECHNICALLY RELIABLE. IT DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR
IMPLIED, AS TO THE ACCURACY OF THE INFORMATION CONTAINED WITHIN. ACTUAL
CONDITIONS OF USE AND HANDLING ARE BEYOND SELLER'S CONTROL. USER IS
RESPONSIBLE TO EVALUATE ALL AVAILABLE INFORMATION WHEN USING PRODUCT FOR
ANY PARTICULAR USE AND TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND
LOCAL LAWS AND REGULATIONS.