

# Class C Solutions Group

A business of MSC Industrial Supply Co.

## Safety Data Sheet

### Supply Co. - BD1414, BD1414-1 SCRUB-STUFF FOAMING CLEANER

Document Nbr: 087550  
Class C Parts IDs BD1414,BD1414-1

SCRUB-STUFF FOAMING CLEANER

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

#### -----SECTION 1: PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT IDENTIFIER:

CHEMICAL NAME: MIXTURE

CAS NO.: MIXTURE

TRADE NAME: BD1414, BD1414-1 SCRUB-STUFF FOAMING CLEANER

PRODUCT CODE: SP-501099

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

IDENTIFIED USE(S): CLEANING PRODUCT

USES ADVISED AGAINST: NONE

COMPANY IDENTIFICATION:  
SPRAY PRODUCTS CORPORATION  
P.O. BOX 737  
NORRISTOWN, PA 19404

TELEPHONE: (610) 277-1010

FAX: (610) 277-4390

E-MAIL (COMPETENT PERSON): JOHND@SPRAYPRODUCTS.COM

EMERGENCY TELEPHONE NUMBER:

EMERGENCY PHONE NO.:

TRANSPORTATION EMERGENCY:

CHEMTREC 24 HR.: 1-800-424-9300 / 1 (703) 527-3887 (COLLECT CALLS ACCEPTED)

-----SECTION 2: HAZARDS IDENTIFICATION -----

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

OSHA HCS (29 CFR 1910.1200): FLAM. AEROSOL 2; LIQUEFIED GAS; EYE IRRIT. 2A;

LABEL ELEMENTS:

HAZARD SYMBOL:

FLAME

GAS CYLINDER

EXCLAMATION MARK

SIGNAL WORD(S): WARNING

HAZARD STATEMENT(S):

FLAMMABLE AEROSOL.

CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.

CAUSES SERIOUS EYE IRRITATION.

PRECAUTIONARY STATEMENT(S):

KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING.

DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.

DO NOT PIERCE OR BURN, EVEN AFTER USE.

WASH HANDS AND EXPOSED SKIN AFTER USE.

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

OTHER HAZARDS: NONE

-----SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS -----

HAZARDOUS INGREDIENT(S)	% WT.	CAS NO.	HAZARD CLASSIFICATION
ETHYLENE GLYCOL MONOBUTYL ETHER	1 - 5	111-76-2	FLAM. LIQ. 4; H227 ACUTE. TOX. 4; H302 SKIN IRRIT. 2; H315 EYE IRRIT. 2A; H319
PROPANE	1 - 5	74-98-6	FLAM. GAS 2; H221
N-BUTANE	1 - 5	106-97-8	FLAM. GAS 2; H221
PROPRIETARY ADDITIVE	<1	TRADE SECRET	ACUTE. TOX. 4; H302 EYE DAM. 1; H318
PROPRIETARY PRESERVATIVE	<1	TRADE SECRET	ACUTE TOX. 3; H301 EYE IRRIT. 2; H319
PROPRIETARY SURFACTANT	<1	TRADE SECRET	EYE IRRIT. 2; H319 SKIN IRRIT. 2; H315 AQUATIC ACUTE 2; H401 AQUATIC CHRONIC 2; H411

ADDITIONAL INFORMATION - NONE

-----SECTION 4: FIRST AID MEASURES -----

DESCRIPTION OF FIRST AID MEASURES:

INHALATION:

REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. IF BREATHING IS LABORED, ADMINISTER OXYGEN. IF SYMPTOMS DEVELOP, OBTAIN MEDICAL ATTENTION. CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL.

SKIN CONTACT:

NOT NORMALLY REQUIRED. IF SKIN IRRITATION OCCURS:  
GET MEDICAL ADVICE/ATTENTION.

EYE CONTACT:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

INGESTION:

UNLIKELY TO BE REQUIRED BUT IF NECESSARY TREAT SYMPTOMATICALLY. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL TREATMENT.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED: NONE

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:  
NOT NORMALLY REQUIRED.

-----SECTION 5: FIRE-FIGHTING MEASURES -----

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:

EXTINGUISH WITH CARBON DIOXIDE, DRY CHEMICAL, FOAM OR WATERSPRAY.

UNSUITABLE EXTINGUISHING MEDIA: DO NOT USE WATER JET.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: FLAMMABLE VAPOUR.

ADVICE FOR FIRE-FIGHTERS:

A SELF CONTAINED BREATHING APPARATUS AND SUITABLE PROTECTIVE CLOTHING SHOULD BE WORN IN FIRE CONDITIONS. KEEP CONTAINERS COOL BY SPRAYING WITH WATER IF EXPOSED TO FIRE.

-----SECTION 6: ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. - NO SMOKING. AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING GAS/SPRAY.

ENVIRONMENTAL PRECAUTIONS:

PREVENT LIQUID ENTERING SEWERS, BASEMENTS AND WORK PITS.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

COVER SPILLS WITH INERT ABSORBENT MATERIAL. TRANSFER TO A CONTAINER FOR DISPOSAL OR RECOVERY.

REFERENCE TO OTHER SECTIONS: NONE

ADDITIONAL INFORMATION: NONE

-----SECTION 7: HANDLING AND STORAGE -----

PRECAUTIONS FOR SAFE HANDLING:

KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING. AVOID CONTACT WITH SKIN AND EYES. USE PRODUCT IN A WELL-VENTILATED AREA ONLY.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE TEMPERATURE:

STORE IN A WELL-VENTILATED PLACE. PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEG. C/ 122 DEG. F. KEEP CONTAINER TIGHTLY CLOSED.

INCOMPATIBLE MATERIALS:

THIS PRODUCT SHOULD BE STORED AWAY FROM SOURCES OF STRONG HEAT OR OXIDIZING CHEMICALS.

SPECIFIC END USE(S): CLEANING PRODUCT

-----SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION -----

OCCUPATIONAL EXPOSURE LIMITS:

SUBSTANCE.	CAS NO.	(8HR TWA)		(STEL)		NOTE:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
N-BUTANE	106-97-8		250 PPM			
PROPANE	74-98-6	1000 PPM	ASPYX.#			#
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	50 PPM (S)	20 PPM			(S)SKIN

#ASSURE MINIMUM OXYGEN CONTENT OF WORK ATMOSPHERE.

RECOMMENDED MONITORING METHOD:

NIOSH 1500 (HYDROCARBONS, B.P. 36 - 126 DEG. C); NIOSH 1403 (ALCOHOLS IV)

EXPOSURE CONTROLS:

APPROPRIATE ENGINEERING CONTROLS: ENSURE ADEQUATE VENTILATION.

PERSONAL PROTECTION EQUIPMENT:

EYE/FACE PROTECTION:

SAFETY GLASSES

WEAR PROTECTIVE EYEWEAR (GOGGLES, FACE SHIELD, OR SAFETY GLASSES).

SKIN PROTECTION (HAND PROTECTION/ OTHER):

GLOVES

WEAR SUITABLE GLOVES IF PROLONGED SKIN CONTACT IS LIKELY (NITRILE RUBBER OR BUTYL RUBBER).

RESPIRATORY PROTECTION:

FULL FACE RESPIRATOR

NORMALLY NO PERSONAL RESPIRATORY PROTECTION IS NECESSARY. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. CHECK WITH PROTECTIVE EQUIPMENT MANUFACTURER'S DATA.

THERMAL HAZARDS:

NOT NORMALLY REQUIRED. USE GLOVES WITH INSULATION FOR THERMAL PROTECTION, WHEN NEEDED.

ENVIRONMENTAL EXPOSURE CONTROLS: NONE KNOWN

-----SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES -----

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: AEROSOL SPRAY

COLOR.: COLOURLESS

ODOR: SLIGHT

ODOR THRESHOLD (PPM): NOT AVAILABLE

PH (VALUE): NOT AVAILABLE

MELTING POINT (DEG. C) / FREEZING POINT (DEG. C): NOT AVAILABLE.

BOILING POINT/BOILING RANGE (DEG. C): NOT AVAILABLE.

FLASH POINT (DEG. C): -104 (-155 DEG. F) - PROPANE

EVAPORATION RATE: NOT AVAILABLE.

FLAMMABILITY (SOLID, GAS): EXTREMELY FLAMMABLE

EXPLOSIVE LIMIT RANGES: 2.1% - 9.5% V/V (PROPANE)

VAPOR PRESSURE (PASCAL): CA. 95 X 10<sup>4</sup> (PROPANE)

VAPOR DENSITY (AIR=1): CA. 1.56 @ 0 DEG. C (PROPANE)

DENSITY (G/ML): 2.1% - 9.5% V/V (PROPANE)

SOLUBILITY (WATER): NOT AVAILABLE.

SOLUBILITY (OTHER): NOT AVAILABLE

PARTITION COEFFICIENT (N-OCTANOL/WATER): NOT AVAILABLE

AUTO IGNITION POINT (DEG. C): NOT AVAILABLE

DECOMPOSITION TEMPERATURE (DEG. C): NOT AVAILABLE

KINEMATIC VISCOSITY (CST): <20 AT 40 DEG. C

EXPLOSIVE PROPERTIES: NOT EXPLOSIVE.

OXIDIZING PROPERTIES: NOT OXIDIZING

VOC: 4%

OTHER INFORMATION: NOT AVAILABLE

-----SECTION 10: STABILITY AND REACTIVITY -----

REACTIVITY: STABLE UNDER NORMAL CONDITIONS.

CHEMICAL STABILITY: STABLE.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE ANTICIPATED.

CONDITIONS TO AVOID: AVOID CONTACT WITH HEAT AND IGNITION SOURCES.

INCOMPATIBLE MATERIALS:

THIS PRODUCT SHOULD BE STORED AWAY FROM SOURCES OF STRONG HEAT OR OXIDIZING CHEMICALS.

HAZARDOUS DECOMPOSITION PRODUCT(S):

CARBON MONOXIDE, CARBON DIOXIDE, ACRID SMOKE

-----SECTION 11: TOXICOLOGICAL INFORMATION -----

EXPOSURE ROUTES: INHALATION, SKIN CONTACT, EYE CONTACT

INFORMATION ON TOXICOLOGICAL EFFECTS:

ETHYLENE GLYCOL MONOBUTYL ETHER (CAS NO. 111-76-2)

ACUTE TOXICITY:

ORAL LD50 = 1746 MG/KG (RAT)

DERMAL LD0 = >1200 MG/KG (RABBIT)

INHALATION LC0: >691 PPM (1 HOUR(S)) (RAT)

IRRITATION / CORROSIVITY:

CAUSES SKIN IRRITATION.. CAUSES SERIOUS EYE IRRITATION.

SENSITISATION: IT IS NOT A SKIN SENSITISER.

REPEATED DOSE TOXICITY:

ORAL NOAEL: <69 MG/KG/DAY (RAT)

INHALATION NOAEC: <31 PPM (RAT)

DERMAL NOAEL: >150 MG/KG/DAY (RABBIT) (SKIN IRRITANT)

CARCINOGENICITY: IT IS UNLIKELY TO PRESENT A CARCINOGENIC HAZARD TO MAN.

NTP	IARC	ACGIH	OSHA	NIOSH
NO.	NO.	NO.	NO.	NO.

MUTAGENICITY: NEGATIVE

TOXICITY FOR REPRODUCTION: NEGATIVE

OTHER INFORMATION: NONE KNOWN.

REPRODUCTIVE TOXICITY: NOT TO BE EXPECTED

-----SECTION 12: ECOLOGICAL INFORMATION -----

ECOTOXICITY:

SHORT TERM:

LC50 (96 HOUR): >100 MG/L (FISH)

LC50 (48 HOUR): >100 MG/L (CRUSTACEA)

LC50 (72 HOUR): >100 MG/L (ALGAE)

LONG TERM:

NOEC (28 DAYS): >1 MG/L (FISH)

NOEC (21 DAYS): >1 MG/L (CRUSTACEA)

NOEC (72 HOUR): >1 MG/L (ALGAE)

-----SECTION 13: DISPOSAL CONSIDERATIONS -----

WASTE TREATMENT METHODS:

DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION. CONSULT AN ACCREDITED WASTE DISPOSAL CONTRACTOR OR THE LOCAL AUTHORITY FOR ADVICE.

-----SECTION 14: TRANSPORT INFORMATION -----



	U.S. DOT	SEA TRANSPORT (IMDG)	AIR TRANSPORT (ICAO/IATA)
UN NUMBER	1950	1950	1950
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE	AEROSOLS, FLAMMABLE	AEROSOLS, FLAMMABLE
TRANSPORT HAZARD CLASS(ES)	2.1	2.1	2.1
PACKING GROUP	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
ENVIRONMENTAL HAZARDS	NONE ASSIGNED	NONE ASSIGNED	NONE ASSIGNED
SPECIAL PRECAUTIONS FOR USER	NONE ASSIGNED	NONE ASSIGNED	NONE ASSIGNED

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:  
NOT APPLICABLE

-----SECTION 15: REGULATORY INFORMATION -----

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE  
SUBSTANCE OR MIXTURE:

TSCA (TOXIC SUBSTANCE CONTROL ACT) - INVENTORY STATUS:  
ALL COMPONENTS LISTED OR POLYMER EXEMPT.

DESIGNATED HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4):

CHEMICAL NAME	CAS NO.	TYPICAL %WT.	RQ (POUNDS)
SODIUM NITRITE	7632-00-0	0.5	100

SARA 311/312 - HAZARD CATEGORIES:

- FIRE
- SUDDEN RELEASE
- REACTIVITY
- IMMEDIATE (ACUTE)
- CHRONIC (DELAYED)

SARA 313 - TOXIC CHEMICALS (40 CFR 372):

CHEMICAL NAME	CAS NO.	TYPICAL %WT.
SODIUM NITRITE	7632-00-0	0.5

SARA 302 - EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

CHEMICAL NAME	CAS NO.	TYPICAL %WT.	TPQ (POUNDS)
NONE			

CALIFORNIA PROPOSITION 65 LIST:

CHEMICAL NAME	CAS NO.	TYPE OF TOXICITY
ETHYLENE OXIDE*	75-21-8	FEMALE REPRODUCTIVE, CANCER, DEVELOPMENTAL (MALE)

\*TRACE TO NONE

-----SECTION 16: OTHER INFORMATION -----

THE FOLLOWING SECTIONS CONTAIN REVISIONS OR NEW STATEMENTS: 1 - 16.

DATE OF PREPARATION: AUGUST 4, 2015

HAZARD STATEMENT(S) AND RISK PHRASES LISTED IN:

SECTION 3:

HAZARD STATEMENT(S):

H221: FLAMMABLE GAS.

H227: COMBUSTIBLE LIQUID.

H301: TOXIC IF SWALLOWED.

H302: HARMFUL IF SWALLOWED.

H315: CAUSES SKIN IRRITATION.

H318: CAUSES SERIOUS EYE DAMAGE.

H319: CAUSES SERIOUS EYE IRRITATION.

H401: TOXIC TO AQUATIC LIFE.

H411: TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

TRAINING ADVICE: NONE.

DISCLAIMER:

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REVISION: AUGUST 4, 2015