

CAPTURE® SPOT ELIMINATOR

Version 1.1 Revision Date: 2015/06/08 SDS Number: 000000003000005246 Date of last issue: 2014/10/23
Date of first issue: 2014/10/23

SECTION 1. IDENTIFICATION

Product name : CAPTURE® SPOT ELIMINATOR
000000003000005246

Product code : 000000003000005246

Manufacturer or supplier's details

Company name of supplier : Milliken & Company

Address : 920 Milliken Rd
Spartanburg SC 29303

Telephone : +1-864-503-1940 (M-F, 8-5 EST)

E-mail address : sds@milliken.com

Recommended use of the chemical and restrictions on use

Recommended use : Cleansing agents, alkaline.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Eye irritation : Category 2A

Acute aquatic toxicity : Category 3

GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.
H402 Harmful to aquatic life.

Precautionary statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
Disposal:
P501 Dispose of contents/ container to an approved waste dis-

CAPTURE® SPOT ELIMINATOR

Version 1.1 Revision Date: 2015/06/08 SDS Number: 000000003000005246 Date of last issue: 2014/10/23
 Date of first issue: 2014/10/23

posal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Preparation

Chemical nature : Preparation

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Isopropanol	67-63-0	>= 10 - < 20
2-Butoxyethanol	111-76-2	>= 5 - < 10
Propane	74-98-6	>= 1 - < 5
Butane	106-97-8	>= 1 - < 5
Sodium nitrite	7632-00-0	>= 0.1 - < 1
Ammonium Hydroxide	1336-21-6	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Standard procedure for chemical fires.

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

CAPTURE® SPOT ELIMINATOR

Version 1.1 Revision Date: 2015/06/08 SDS Number: 000000003000005246 Date of last issue: 2014/10/23
 Date of first issue: 2014/10/23

for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
 Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.
 No special handling advice required.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Isopropanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	NIOSH REL
		TWA	400 ppm 980 mg/m ³	OSHA Z-1
		TWA	400 ppm 980 mg/m ³	OSHA P0
		STEL	500 ppm 1,225 mg/m ³	OSHA P0
2-Butoxyethanol	111-76-2	TWA	20 ppm	ACGIH
		TWA	5 ppm 24 mg/m ³	NIOSH REL
		TWA	50 ppm 240 mg/m ³	OSHA Z-1
		TWA	25 ppm 120 mg/m ³	OSHA P0
Propane	74-98-6	TWA	1,000 ppm 1,800 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m ³	OSHA Z-1

CAPTURE® SPOT ELIMINATOR

Version 1.1 Revision Date: 2015/06/08 SDS Number: 000000003000005246 Date of last issue: 2014/10/23
 Date of first issue: 2014/10/23

		TWA	1,000 ppm 1,800 mg/m ³	OSHA P0
Butane	106-97-8	TWA	800 ppm 1,900 mg/m ³	NIOSH REL
		TWA	800 ppm 1,900 mg/m ³	OSHA P0

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Isopropanol	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI
2-Butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : aerosol

Colour : colourless

Odour : mild

pH : 8.5 - 9.5

Flash point : does not flash

Flammability (solid, gas) : Not classified as a flammability hazard

Vapour pressure : 65 - 75 hPa

Density : 0.96 - 0.98 g/cm³

SAFETY DATA SHEET



CAPTURE® SPOT ELIMINATOR

Version 1.1 Revision Date: 2015/06/08 SDS Number: 000000003000005246 Date of last issue: 2014/10/23
Date of first issue: 2014/10/23

Solubility(ies)
Water solubility : soluble

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.
Chemical stability : No decomposition if stored and applied as directed.
Possibility of hazardous reactions : No hazards to be specially mentioned.
Conditions to avoid : no data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : LD50 Oral (rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: No adverse effect has been observed in acute toxicity tests.

Acute inhalation toxicity : Acute toxicity estimate: > 10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:

Isopropanol:

Acute oral toxicity : LD50 (rat): 5,045 mg/kg

Acute inhalation toxicity : LC50 (rat): 16000 ppm
Exposure time: 8 h

Acute dermal toxicity : LD50 (rabbit): 12,800 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Species: rabbit
Assessment: No skin irritation

CAPTURE® SPOT ELIMINATOR

Version	Revision Date:	SDS Number:	Date of last issue: 2014/10/23
1.1	2015/06/08	00000003000005246	Date of first issue: 2014/10/23

Method: OECD Test Guideline 404
Result: No skin irritation

Components:**Isopropanol:**

Species: rabbit
Assessment: Irritating to skin.
Result: Mild skin irritation

Serious eye damage/eye irritation

Causes eye irritation.

Components:**Isopropanol:**

Species: rabbit
Result: Irritating to eyes.
Exposure time: 24 h
Assessment: Irritating to eyes.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Product:

Remarks: no data available

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC	Group 3: Not classifiable as to its carcinogenicity to humans
	Isopropanol 67-63-0
	2-Butoxyethanol 111-76-2
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

CAPTURE® SPOT ELIMINATOR

Version 1.1 Revision Date: 2015/06/08 SDS Number: 000000003000005246 Date of last issue: 2014/10/23
Date of first issue: 2014/10/23

Aspiration toxicity

Not classified based on available information.

Further information**Product:**

Remarks: no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****Isopropanol:**Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 5,102 mg/l
aquatic invertebrates Exposure time: 24 hEC50 (Daphnia magna (Water flea)): 6,851 mg/l
Exposure time: 24 h
Test Type: ImmobilizationToxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 2,000
mg/l
Exposure time: 72 h**Persistence and degradability**

No data available

Bioaccumulative potential**Components:****Isopropanol:**Partition coefficient: n- : log Pow: 0.05
octanol/water**2-Butoxyethanol:**Partition coefficient: n- : log Pow: 0.83
octanol/water**Propane:**Partition coefficient: n- : log Pow: 2.36
octanol/water**Butane:**Partition coefficient: n- : log Pow: 2.89
octanol/water**Mobility in soil**

No data available

CAPTURE® SPOT ELIMINATOR

Version	Revision Date:	SDS Number:	Date of last issue: 2014/10/23
1.1	2015/06/08	000000003000005246	Date of first issue: 2014/10/23

Other adverse effects
Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
 Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal methods

Waste from residues : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
 Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION
International Regulation
IATA-DGR

UN/ID No. : UN 1950
 Proper shipping name : Aerosols, non-flammable
 Class : 2.2
 Packing group : Not assigned by regulation
 Labels : Non-flammable, non-toxic gas
 Packing instruction (cargo aircraft) : 203
 Packing instruction (passenger aircraft) : 203

IMDG-Code

UN number : UN 1950
 Proper shipping name : AEROSOLS
 Class : 2.2
 Packing group : Not assigned by regulation
 Labels : 2.2
 EmS Code : F-D, S-U
 Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

CAPTURE® SPOT ELIMINATOR

Version 1.1 Revision Date: 2015/06/08 SDS Number: 000000003000005246 Date of last issue: 2014/10/23
 Date of first issue: 2014/10/23

49 CFR

UN/ID/NA number : UN 1950
 Proper shipping name : AEROSOLS, , NON-FLAMMABLE
 Class : 2.2
 Packing group : Not assigned by regulation
 Labels : NON-FLAMMABLE GAS
 ERG Code : 126
 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium nitrite	7632-00-0	100	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

Propane	74-98-6	2.5 %
Butane	106-97-8	2.5 %

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Isopropanol	67-63-0	11 %
2-Butoxyethanol	111-76-2	8 %
Diacetone alcohol	123-42-2	0.9 %

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Sodium nitrite	7632-00-0	0.6 %
Ammonium Hydroxide	1336-21-6	0.18 %

SAFETY DATA SHEET



CAPTURE® SPOT ELIMINATOR

Version	Revision Date:	SDS Number:	Date of last issue: 2014/10/23
1.1	2015/06/08	000000003000005246	Date of first issue: 2014/10/23

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Sodium nitrite	7632-00-0	0.6 %
Ammonium Hydroxide	1336-21-6	0.18 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

Revision Date : 2015/06/08

Please Note: As each customer's use of our product may be different, information we provide, including without limitation, any regulatory information, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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