

SAFETY DATA SHEET

DT-CFL 003



Version 2.0 Revision Date: 06/20/2015

Date of last issue: 12/03/2013
Date of first issue: 09/13/2013

SECTION 1. IDENTIFICATION

Identification of the company:	OSM Shield, LLC 97 Main Street Suite W-202 Edwards, CO 81632 (970) 390-8717
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Trade name: DT-CFL 003

Chemical family: polyurethane
nonionic

Recommended use of the chemical and restrictions on use
Recommended use: Textile auxiliary

Recommended restrictions on use: unknown

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : polyurethane
nonionic

Hazardous components

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), None under Title III of SARA

SECTION 4. FIRST AID MEASURES

General advice : Get medical advice/ attention if you feel unwell.

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If inhaled	: Move the victim to fresh air. Give oxygen or artificial respiration if needed. Get immediate medical advice/ attention. Never give anything by mouth to an unconscious person.
In case of skin contact	: Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation develops and persists.
If swallowed	: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
Most important symptoms and effects, both acute and delayed	: The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known.
Notes to physician	: None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: all
Unsuitable extinguishing media	: No restrictions
Specific hazards during fire-fighting	: Carbon oxides Nitrogen oxides (NOx)
Further information	: Not combustible.
Special protective equipment for firefighters	: Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Wear suitable protective equipment. Contain spill. Small spills may be flushed to the sewer or absorbed on suitable absorbants. Larger spills should be collected as liquid or absorbed. Clean-up may be accomplished by flushing with water if appropriate or remove contaminated soils, place in appropriate containers.
Environmental precautions	: The product should not be allowed to enter drains, water courses or the soil.
Methods and materials for	: After processing, clean all equipment with the following:

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containment and cleaning up Water

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : No special measures necessary.

Advice on safe handling : Avoid contact with skin and eyes.

Conditions for safe storage : Keep container closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Engineering measures : Local ventilation recommended - mechanical ventilation may be used.

Personal protective equipment

Respiratory protection : not required under normal use

Hand protection

Remarks : Butyl Rubber, PVC Or Neoprene.

Eye protection : Safety glasses or chemical splash goggles.

Skin and body protection : None known.

Protective measures : Observe the usual precautions for handling chemicals.

Hygiene measures : This preparation is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract. In case of contact with the product, wash the eye immediately with running water and the skin with water and soap.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid

Colour : white to slightly yellow

Odour : none

Odour Threshold : not determined

pH : 5 - 5.5, (20 °C)

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Melting point	: Decomposition: no not applicable
Boiling point	: approximately 100 °C (1,013 hPa) Decomposition: no
Flash point	: (1,013 hPa)
Evaporation rate	: not tested.
Flammability (solid, gas)	: not applicable
Upper explosion limit	: not determined
Lower explosion limit	: not determined
Vapour pressure	: not tested.
Relative vapour density	: not determined
Density	: 1.06 g/cm3 (20 °C, 1,013 hPa)
Solubility(ies)	
Water solubility	: miscible (20 °C)
Partition coefficient: n-octanol/water	: not tested.
Auto-ignition temperature	: not tested.
Decomposition temperature	: not tested.
Viscosity	
Viscosity, dynamic	: not tested.
Viscosity, kinematic	: not determined
Oxidizing properties	: not tested.
Impact sensitivity	: not determined
Sublimation point	: not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable
Possibility of hazardous reac-	: No dangerous reaction known under conditions of normal use.

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tions	Stable
Conditions to avoid	: None known.
Incompatible materials	: not known
Hazardous decomposition products	: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

None known.

Acute toxicity

Product:

Acute oral toxicity : LD50 (rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : Remarks: not tested.

Acute dermal toxicity : Remarks: not tested.

Skin corrosion/irritation

Product:

Species: rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Serious eye damage/eye irritation

Product:

Species: rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Product:

Remarks: not tested.

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: not tested.

Germ cell mutagenicity - Assessment : No information available.

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Carcinogenicity

Product:

Carcinogenicity - Assessment : No information available.

IARC Not listed

OSHA Not listed

NTP Not listed

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : No information available.

Repeated dose toxicity

Product:

Remarks: not tested.

Experience with human exposure

Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Poecilia reticulata (guppy)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : Remarks: not tested.

Toxicity to algae : Remarks: not tested.

Toxicity to bacteria : IC50 (activated sludge): > 2,000 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Method: OECD Test Guideline 209

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Persistence and degradability

Product:

Biodegradability : Test Type: aerobic
Dissolved organic carbon (DOC)
Result: Not readily biodegradable.
Exposure time: 28 d
Method: OECD Test Guideline 301F

Test Type: aerobic
Dissolved organic carbon (DOC)
Result: elimination via adsorption
Exposure time: 28 d
Method: OECD Test Guideline 302B

Biochemical Oxygen Demand (BOD) : < 100 mg/g

Chemical Oxygen Demand (COD) : 535 mg/g

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: not tested.

Mobility in soil

No data available

Other adverse effects

Product:

Environmental fate and pathways : Remarks: no data available

Results of PBT and vPvB assessment : Remarks: no data available

Additional ecological information : Product does not contain any organic bound Halogens which could lead to AOX-values.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act

Waste Code : None

Waste from residues : Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or land-

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filled after solidification in permitted systems.

Contaminated packaging : Consider recycling.

SECTION 14. TRANSPORT INFORMATION

DOT	not restricted
IATA	not restricted
IMDG	not restricted

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 311/312 Hazards : No SARA Hazards

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

SARA 313 : This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

Clean Water Act

Contains no known priority pollutants at concentrations greater than 0.1%.

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECL (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

This product is not registered with the FDA.
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a

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guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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