Material Safety Data Sheet Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name
Product Use
Address/Telephone number

SPAN® 85

Nonionic surfactant

Unigema

Uniqema Corporate Center 1000 Uniqema Boulevard New Castle, DE 19720-2790

Uniqema Operator (Mon.-Fri., 8:15 AM - 4:30 PM

Eastern): (302) 574-5000

Medical Emergency (24 hr.): (888) 456-6218 Transportation Emergency Involving Chemical

Spills,

Leaks, Fires, or Accidents (24 hr.): (800) 424-

9300

Uniqema is an international business of Imperial

Chemical Industries PLC.

Uniqema operates through ICI affiliated companies in the relevant countries such as ICI Americas Inc., Unichema, a division of ICI Uniqema Inc., and Mona Industries Inc. in the

USA.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS Number	% (w/w)	OSHA PEL	ACGIH TLV
Sorbitan trioleate	26266-58-0	90-100	No PEL established	No TLV established

Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications.

3. HAZARDS IDENTIFICATION

Material Safety Data Sheet Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

Emergency Overview

ColoramberFormoily liquidOdorNo data.

MAY CAUSE SLIGHT SKIN IRRITATION.

Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

Routes of Exposure Eye contact Skin contact Inhalation

Eye contactNo irritation is likely to develop following contact

with human eyes.

Skin contact May cause skin irritation.

This product will probably not be absorbed

through human skin.

Inhalation This material may cause irritation following

inhalation.

No toxic effects are known to be associated with

inhalation of this material.

In humans, irritation of the mouth, pharynx,

esophagus and stomach can develop following

ingestion of this product.

No toxic effects are expected following ingestion

of this product.

Other Not listed by ACGIH, IARC, NIOSH, NTP OR

OSHA.

4. FIRST AID MEASURES

Eye contact Immediately flush with plenty of water for at least

15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and

treated by medical personnel.

Skin contactWash material off of the skin with plenty of soap

and water. If redness, itching, or a burning sensation develops, get medical attention.

Inhalation Remove victim to fresh air. If a cough or other

respiratory symptoms develop, consult medical

personnel.

Page 2 of 9

Material Safety Data Sheet

Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

Ingestion

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash Point (°F) > 300 (open cup) Flash Point (°C) > 148.9 (open cup)

Autoignition Temperature (°F)No data.Autoignition Temperature (°C)No data.Flammable LimitsNo data.

Extinguishing Media Water fog, alcohol foam, carbon dioxide, dry

chemical.

Special fire-fighting protective equipment A self contained breathing apparatus and suitable

protective clothing must be worn in fire conditions.

Fire and explosion hazards None known.

Explosion data

Sensitivity to mechanical impact Not applicable
Sensitivity to static discharge Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Refer to section 8 for proper personal protective

equipment.

Steps to be taken in case material is

released or spilled

Contain spill.

Soak up material with absorbent and shovel into a

chemical waste container.

Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment

facility.

Material Safety Data Sheet Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

7. HANDLING AND STORAGE

Handling

Prevent skin contact.

Avoid breathing this material.

Do not swallow.

Storage Store in original containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

OSHA PEL

Component Name Exposure limits Notes

No OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice.

ACGIH TLV

Component Name Exposure limits Notes

No ACGIH TLV assigned. Minimize

exposure in accordance with good hygiene

practice.

Engineering controls

Eye protection

Provide adequate ventilation.

Safety glasses with side shields.

Protective clothing Impervious gloves.

Respiratory protection Respiratory protection is not normally needed if

controls are adequate.

Other Eyewash and safety shower easily accessible to

the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

ColoramberFormoily liquidOdorNo data.pHNo data.

Page 4 of 9

Material Safety Data Sheet Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

Boiling Point (°F) > 212 Boiling Point (°C) > 100

Flash Point (°F) > 300 (open cup) Flash Point (°C) >148.9 (open cup)

Autoignition Temperature (°F) No data. **Autoignition Temperature (°C)** No data. Flammable Limits No data. **Explosive Properties** No data. **Oxidizing Properties** No data. Vapor Pressure (mmHg) < 1.0000 **Vapor Density** No data. **Specific Gravity** ~0.95 Solubility (water) Insoluble

Solubility (other) soluble in:, mineral oil, cottonseed oil, corn oil,

methanol, ethanol, isopropanol, insoluble in:,

ethylene glycol, propylene glycol

Partition Coefficient

Dynamic viscosity (mPa.s)

Pour Point (°F)

Pour Point (°C)

No data.

~210 (cp)

No data.

~15

~26

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Materials to avoid Strong oxidizing agents.

Conditions to avoid None known.

Hazardous decomposition productsCarbon dioxide, carbon monoxide.

Hazardous polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Eye contact

A 100% suspension of Rabbit Draize 7 days Nonirritating. 16/09/1963

this material was tested.

Skin contact

Material Safety Data Sheet Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

A 100% suspension Rabbit

oit

72 hours

Slightly irritating.

09/1973

of this material was

tested.

Ingestion

Chronic

A 100% suspension of this LD50 rat > 39.8 g/kg material was tested.

14 days

Relatively harmless.

23/11/1966

A chronic ingestion study in animals has shown that repeated doses produce no

significant effects.

12. ECOLOGICAL INFORMATION

This environmental hazard assessment is based on information available on similar preparations.

Toxicity LC50 (96 hour) (static) rainbow trout > 1000

Draize

mg/

Effect on Effluent Treatment The product is anticipated to be substantially

removed in biological treatment processes.

13. DISPOSAL CONSIDERATIONS

RCRA (Resource Conservation and Recovery Act) Classification:

Specifically Listed

Not applicable.

Wastes

Characteristic Wastes Ignitability Not applicable.

CorrosivityNot applicable.ReactivityNot applicable.ToxicityNot applicable.

Disposal method Disposal should be in accordance with local,

state or national legislation.

Material Safety Data Sheet Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

Container disposal Empty container retains product residue.

Observe all hazard precautions.

Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product

residue from container and puncture or otherwise destroy empty container before

disposal.

14. TRANSPORT INFORMATION

Department of Transportation:

Not regulated.

TDG (Transportation of Dangerous Goods):

Not regulated.

Not classified in RID/ADR - ADNR - IMDG - ICAO/IATA-DGR.

15. REGULATORY INFORMATION

Inventory Status

ΕU Compliant. Compliant. **USA** Compliant. Canada **Australia** Compliant. Compliant. Japan Compliant. China Compliant. Korea **Philippines** Compliant.

Material Safety Data Sheet Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary:

Health Hazards None Physical Hazards None

WHMIS Classification Noncontrolled (Nonhazardous).

CERCLA and SARA Regulations (40 CFR

355, 370, and 372):

This material contains the following chemicals subject to the reporting

requirements of SARA 313:

No 313-listed chemicals in this product

SARA 311/312 Hazard Categories:

ImmediateYDelayedNFireNPressureNReactivityN

16. OTHER INFORMATION

We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.

HMIS Information

Health 1 Flammability 1

Material Safety Data Sheet Date(s): : 2003-08-19 13:34:33

Version 4

MSDS#: 900002

Physical Hazards

The HMIS ratings displayed above are from the HMIS III Third Edition. There have been significant changes made to the system. "Physical hazard" stands for physical hazard as defined in the OSHA Hazard Communication Standard and replaces the former code for reactivity. For a more detailed explanation of the system and the ratings, please contact our Product Safety and Regulatory Affairs group.

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NFPA Information

Health 1 Flammability 1 Reactivity 0

This information is intended solely for the use of individuals trained in the particular hazard rating system.

The following sections contain revisions or new statements:

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