

# Y5584\_B7

## Material Safety Data Sheet MICRON CSC SHARK WHITE



Bulk Sales Reference No.:  
MSDS Revision Date:  
MSDS Revision Number:

Sales  
Order: {SalesOrd}  
Y5584  
03/15/2012  
B7-1

### 1. Identification of the preparation and company

#### 1.1. Product identifier

Product Identity MICRON CSC SHARK WHITE  
Bulk Sales Reference No. Y5584

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended Use See Technical Data Sheet.  
Application Method See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

Company Name Akzo Nobel Coatings  
International Paint LLC  
2270 Morris Avenue  
P. O. Box 386

#### Emergency

CHEMTREC (USA) (800) 424-9300  
International Paint (713) 527-3887  
Poison Control Center (800) 854-681  
Customer Service  
International Paint (800) 589-1267  
Fax No. (800) 631-7481

### 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

HMIS Rating Health: 2\* Flammability: 3 Reactivity: 0

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Copper oxide (Cu <sub>2</sub> O) CAS Number: 0001317-39-1	25 – 50	Acute Tox. 4;H302 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Xylenes (o-, m-, p- isomers) CAS Number: 0001330-20-7	10 – 25	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315	[1][2]

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Titanium dioxide CAS Number: 0013463-67-7	10 – 25	----	[1][2]
Rosin CAS Number: 0008050-09-7	1.0 – 10	Skin Sens. 1;H317	[1]
Glass, oxide, chemicals CAS Number: 0065997-17-3	1.0 – 10	----	[1]
Zinc oxide CAS Number: 0001314-13-2	1.0 – 10	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1][2]
Benzene, ethyl- CAS Number: 0000100-41-4	1.0 – 10	Flam. Liq. 2;H225 Acute Tox. 4;H332	[1][2]
Polymer CAS Number: TS-RV0611	1.0 – 10	----	[1]
ETHYL TOLUENESULFONAMIDE CAS Number: 0008047-99-2	1.0 – 10	----	[1]
Petroleum naphtha CAS Number: 0064742-95-6	1.0 – 10	Asp. Tox. 1;H304 Aquatic Chronic 2;H411 (Self Classification)	[1]
1,2,4-Trimethyl benzene CAS Number: 0000095-63-6	1.0 – 10	Flam. Liq. 3;H226 Acute Tox. 4;H332 Eye Irrit. 2;H319 STOT SE 3;H335 Skin Irrit. 2;H315 Aquatic Chronic 2;H411	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

4. First aid measures
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4.1. Description of first aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Overview	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes	Causes severe eye irritation. Avoid contact with eyes.
Skin	Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed through the skin.
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness. Can result in irritation of the mouth, stomach tissue and digestive tract.
Chronic effects	Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

5. Fire-fighting measures
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5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

ERG Guide No.

6. Accidental release measures
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6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

7. Handling and storage
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7.1. Precautions for safe handling

Handling

In Storage

7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

8. Exposure controls and personal protection
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8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000095-63-6	1,2,4-Trimethyl benzene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	25 ppm TWA; 125 mg/m3 TWA
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0000100-41-4	Benzene, ethyl-	OSHA	100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL
		ACGIH	20 ppm TWA
		NIOSH	100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL 800 ppm IDLH (10% LEL)
		Supplier	No Established Limit
		OHSA, CAN	20 ppm TWA
		Mexico	100 ppm TWA LMPE-PPT; 435 mg/m3 TWA LMPE-PPT 125 ppm STEL [LMPE-CT]; 545 mg/m3 STEL [LMPE-CT]
		Brazil	78 ppm TWA LT; 340 mg/m3 TWA LT
0001314-13-2	Zinc oxide	OSHA	5 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) 10 mg/m3 STEL (fume)
		ACGIH	2 mg/m3 TWA (respirable fraction) 10 mg/m3 STEL (respirable fraction)
		NIOSH	5 mg/m3 TWA (dust and fume) 10 mg/m3 STEL (fume) 15 mg/m3 Ceiling (dust) 500 mg/m3 IDLH
		Supplier	No Established Limit
		OHSA, CAN	2 mg/m3 TWA (respirable) 10 mg/m3 STEL (respirable)
		Mexico	5 mg/m3 TWA LMPE-PPT (fume); 10 mg/m3 TWA LMPE-PPT (dust) 10 mg/m3 STEL [LMPE-CT] (fume)

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0001317-39-1	Copper oxide (Cu2O)	Brazil	No Established Limit
		OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0001330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		ACGIH	100 ppm TWA150 ppm STEL
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	100 ppm TWA150 ppm STEL
		Mexico	100 ppm TWA LMPE-PPT; 435 mg/m3 TWA LMPE-PPT150 ppm STEL [LMPE-CT]; 655 mg/m3 STEL [LMPE-CT]
		Brazil	78 ppm TWA LT; 340 mg/m3 TWA LT
0008047-99-2	ETHYLTOLUENESULFONAMIDE	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0008050-09-7	Rosin	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	exposure by all routes should be carefully controlled to levels as low as possible
		Mexico	0.1 mg/m3 TWA LMPE-PPT (as Formaldehyde)
		Brazil	No Established Limit
0013463-67-7	Titanium dioxide	OSHA	15 mg/m3 TWA (total dust)
		ACGIH	10 mg/m3 TWA
		NIOSH	5000 mg/m3 IDLH
		Supplier	No Established Limit
		OHSA, CAN	10 mg/m3 TWA
		Mexico	10 mg/m3 TWA LMPE-PPT (as Ti)20 mg/m3 STEL [LMPE-CT] (as Ti)
		Brazil	No Established Limit
0064742-95-6	Petroleum naphtha	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OHSA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit
0065997-17-3	Glass, oxide, chemicals	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
			No Established Limit
			No Established Limit

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		OSHA, CAN	
		Mexico	No Established Limit
		Brazil	No Established Limit
TS-RV0611	Polymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
		OSHA, CAN	No Established Limit
		Mexico	No Established Limit
		Brazil	No Established Limit

## Health Data

CAS No.	Ingredient	Source	Value
0000095-63-6	1,2,4-Trimethyl benzene	NIOSH	No Established Limit
0000100-41-4	Benzene, ethyl-	NIOSH	Eye skin
0001314-13-2	Zinc oxide	NIOSH	Metal fume fever
0001317-39-1	Copper oxide (Cu <sub>2</sub> O)	NIOSH	No Established Limit
0001330-20-7	Xylenes (o-, m-, p- isomers)	NIOSH	Central nervous system depressant; respiratory and eye irritation
0008047-99-2	ETHYLTOLUENESULFONAMIDE	NIOSH	No Established Limit
0008050-09-7	Rosin	NIOSH	No Established Limit
0013463-67-7	Titanium dioxide	NIOSH	Lung tumors in animals
0064742-95-6	Petroleum naphtha	NIOSH	No Established Limit
0065997-17-3	Glass, oxide, chemicals	NIOSH	No Established Limit
TS-RV0611	Polymer	NIOSH	No Established Limit

## Carcinogen Data

CAS No.	Ingredient	Source	Value
0000095-63-6	1,2,4-Trimethyl benzene	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000100-41-4	Benzene, ethyl-	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0001314-13-2	Zinc oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001317-39-1	Copper oxide (Cu <sub>2</sub> O)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001330-20-7	Xylenes (o-, m-, p- isomers)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0008047-99-2	ETHYLTOLUENESULFONAMIDE	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0008050-09-7	Rosin	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0013463-67-7	Titanium dioxide	OSHA	Select Carcinogen: Yes

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		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0064742-95-6	Petroleum naphtha	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0065997-17-3	Glass, oxide, chemicals	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
TS-RV0611	Polymer	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Eyes

Skin

Engineering Controls

Other Work Practices

9. Physical and chemical properties

Appearance

Odour threshold

pH

Melting point / freezing point

Initial boiling point and boiling range

Flash Point

Evaporation rate (Ether = 1)

Flammability (solid, gas)

Upper/lower flammability or explosive limits Lower Explosive Limit:

Upper Explosive Limit:

vapor pressure (Pa)

Vapor Density

Specific Gravity 0.00

Partition coefficient n-octanol/water (Log Kow)

Auto-ignition temperature

Decomposition temperature

Viscosity (cSt)

VOC % Refer to the Technical Data Sheet or label where information is available.

VOHAP content (gm/litre of paint) 474.66 (as supplied)

VOHAP content (gm/litre of Solid Coating) 274.82 (as supplied)

9.2. Other information

No further information

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

## 10.6. Hazardous decomposition products

## 11. Toxicological information

## Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
Copper oxide (Cu2O) – (1317–39–1)	470.00, Rat – Category: 4	2,000.00, Rabbit – Category: 4	No data available
Xylenes (o-, m-, p- isomers) – (1330–20–7)	4,299.00, Rat – Category: 5	1,548.00, Rabbit – Category: 4	20.00, Rat – Category: 4
Titanium dioxide – (13463–67–7)	10,000.00, Rat – Category: NA	10,000.00, Rabbit – Category: NA	No data available
Rosin – (8050–09–7)	7,600.00, Rat – Category: NA	2,500.00, Rabbit – Category: 5	No data available
Glass, oxide, chemicals – (65997–17–3)	No data available	No data available	No data available
Zinc oxide – (1314–13–2)	5,000.00, Rat – Category: 5	No data available	No data available
Benzene, ethyl- – (100–41–4)	3,500.00, Rat – Category: 5	15,433.00, Rabbit – Category: NA	17.20, Rat – Category: 4
Polymer – (TS–RV0611)	No data available	No data available	No data available
ETHYLTOLUENESULFONAMIDE – (8047–99–2)	No data available	No data available	No data available
Petroleum naphtha – (64742–95–6)	6,800.00, Rat – Category: NA	3,400.00, Rabbit – Category: 5	No data available
1,2,4-Trimethyl benzene – (95–63–6)	3,400.00, Rat – Category: 5	3,160.00, Rabbit – Category: 5	18.00, Rat – Category: 4

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	Not Classified	Not Applicable
Eye damage/irritation	Not Classified	Not Applicable
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

## 12. Ecological information

## 12.1. Toxicity

## Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l

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Copper oxide (Cu <sub>2</sub> O) – (1317–39–1)	0.075, Danio rerio	0.042, Daphnia similis	0.03 (96 hr), Pseudokirchneriella subcapitata
Xylenes (o-, m-, p- isomers) – (1330–20–7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Titanium dioxide – (13463–67–7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Rosin – (8050–09–7)	1.00, Danio rerio	10.00, Daphnia magna	100.00 (72 hr), Selenastrum capricornutum
Glass, oxide, chemicals – (65997–17–3)	Not Available	Not Available	Not Available
Zinc oxide – (1314–13–2)	1.10, Oncorhynchus mykiss	0.098, Daphnia magna	0.042 (72 hr), Pseudokirchneriella subcapitata
Benzene, ethyl– (100–41–4)	4.20, Oncorhynchus mykiss	2.93, Daphnia magna	3.60 (96 hr), Pseudokirchneriella subcapitata
Polymer – (TS–RV0611)	Not Available	Not Available	Not Available
ETHYLTOLUENESULFONAMIDE – (8047–99–2)	Not Available	Not Available	Not Available
Petroleum naphtha – (64742–95–6)	9.22, Oncorhynchus mykiss	6.14, Daphnia magna	19.00 (72 hr), Selenastrum capricornutum
1,2,4–Trimethyl benzene – (95–63–6)	7.72, Pimephales promelas	3.60, Daphnia magna	Not Available

- 12.2. Persistence and degradability
- 12.3. Bioaccumulative potential
- 12.4. Mobility in soil
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects

13. Disposal considerations
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- 13.1. Waste treatment methods

14. Transport information
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- 14.1. UN number
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)
DOT Proper Shipping Name	IMDG Proper Shipping Name
DOT Hazard Class	IMDG Hazard Class Sub Class
UN / NA Number	IMDG Packing Group
DOT Packing Group	System Reference Code
CERCLA/DOT RQ gal. / lbs.	System Reference Code 181

- 14.4. Packing group
- 14.5. Environmental hazards
  - IMDG Marine Pollutant:
- 14.6. Special precautions for user



Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

## 15. Regulatory information

Regulatory Overview

WHMIS Classification

DOT Marine Pollutants (10%):

(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):

(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (&gt;.1%) :

Copper (5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diame)

Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)

Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (&gt;.1%) :

(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (&gt;.1%) :

1,2,4-Trimethyl benzene

Copper

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

Mass RTK Substances (&gt;1%) :

1,2,4-Trimethyl benzene

Benzene, ethyl-

Titanium dioxide

Xylenes (o-, m-, p- isomers)

Zinc oxide

Penn RTK Substances (&gt;1%) :

1,2,4-Trimethyl benzene

Benzene, ethyl-

Titanium dioxide

Xylenes (o-, m-, p- isomers)

Zinc oxide

Penn Special Hazardous Substances (&gt;.01%) :

(No Product Ingredients Listed)

RCRA Status (%):

N.J. RTK Substances (&gt;1%) :

1,2,4-Trimethyl benzene

Benzene, ethyl-

Titanium dioxide

Xylenes (o-, m-, p- isomers)

Zinc oxide

N.J. Special Hazardous Substances (&gt;.01%) :

Cumene

Benzene, ethyl-

Silica, cristobalite

Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (&gt;.1%) :

1,2,4-Trimethyl benzene

Copper

Benzene, ethyl-

Xylenes (o-, m-, p- isomers)

Proposition 65 – Carcinogens (&gt;0%):

Cadmium

Cumene  
Benzene, ethyl-  
Lead  
Quartz  
Titanium dioxide

Proposition 65 – Female Repro Toxins (>0%):

Lead  
Benzene, methyl-

Proposition 65 – Male Repro Toxins (>0%):

Cadmium  
Lead

Proposition 65 – Developmental Toxins (>0%):

Cadmium  
Lead  
Benzene, methyl-

16. Other information
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The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.  
H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

This is the first revision of this SDS format, changes from previous revision not applicable.

End of Document