

Safety Policies & Programs

OSHA's Revised HAZCOM Standard

(3/26/2012)



GHS

The
Globally Harmonized System
Of Classification and Labeling of Chemicals

Your Right to Know *and Understand*
Hazardous Chemicals Used in the Workplace

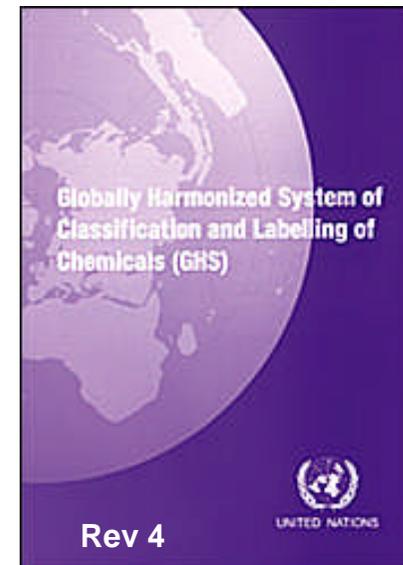
Evolution of the OSHA HAZCOM Standard

**1983 – OSHA First Implements its
Hazardous Communications Standard
for Manufacturing ONLY**

1987 – OSHA Expands to Include All Industries

1994 – Changes for Multi-Employer Worksites

**2012 – OSHA adopts the International Approach Called the
Globally Harmonized System (GHS) of Classification
and Labeling of Chemicals (Rev 3)**



OSHA's Revised HAZCOM standard

Effective Completion Date	Requirement(s)	Who
March 26, 2012	Final Rule Published	OSHA
December 1, 2013	Train Employees	Employers
Transition Period	Comply with Old and Begin Compliance with New HCS Standard	All chemical manufacturers, importers, distributors and employers
June 1, 2015	Compliance)	All chemical manufacturers, importers, distributors and employers
December 1, 2015	Distributors may ship products labeled under the old system until this date	Distributors
June 1, 2016	Update workplace labeling and HAZCOM program	Employers

Changes to the OSHA HAZCOM Standard

Old OSHA HAZCOM Standard:

- Material Safety Data Sheets (MSDS) Are Performance Based - Required Content But ***No Set Format***
 - Information Was Different For Each Company
 - Workers Had ***Difficulty Understanding*** Information
 - The Length and Complexity Made It ***Difficult to Locate Important Safety Information***
- Chemical Product ***Labels Had Minimal Information***

Changes to the OSHA HAZCOM Standard

NEW OSHA HAZCOM Standard **with GHS**:

- Prescribes a ***16-Part Safety Data Sheet*** (SDS) Format and Contents
- Chemical Product Labels Require New ***Prescribed Information*** Linked to New Criteria for Health and Physical Hazard Classifications and Categories

This Standard Update Gives Workers Access to Labels and Safety Data Sheets with Information that is Easier to Find and Understand as well as the Right to Know

Changes to the OSHA HAZCOM Standard

Material Safety Data Sheets

The Primary Source for
Chemical Product Hazard Information

Are Now Called

Safety Data Sheets

Must be in English

Should be Available in Languages of ESOL Workers



Got a Question



- Don't Know If a New Product Can Cause Illness
- How Do You Use It and Protect Yourself
- What Do You Do In Case of a Spill

READ the SDS Before You Use the Product

- Lists Routes of Entry, Symptoms of & Care if Exposed
- Recommends PPE, Handling, Storage & Cleanup

The Vendor Should Provide You a SDS With Purchase
If Not, Ask For SDS

If Product Is Not Listed in BCB's On-Line Inventory,
the Supervisor Must Send SDS to BCB Safety



To Find a SDS that Your Team Uses:

BCB Safety and Emergency Services Office - Safety Policy & Programs - Mozilla Firefox

www.gs.sc.gov/business/safety/G5-safety-polproc.phtml

Safety Webpage

BCB SOUTH CAROLINA BUDGET AND CONTROL BOARD

SC Budget and Control Board

SES Home Page
Report an Accident
Safety Training
MSDS Lookup
Policies & Programs
Internal Documents
Safety Bravo!
Related Links
Contact Us

Safety & Emergency Services
915 Main Street
Columbia SC 29201
(803) 737-2315

Safety Guidelines

AGENCY SAFETY POL

OSHA's new (AUG) po
Protecting Workers W
when using various cl

CDC: Prepare for 20
for **Swine Flu** - avoid

OSHA Kicks Off Heat
(Summer)

SPECIAL INTEREST: C
\$1.5 million over the ye
Falls. (May)



SiteHawk MSDS - Mozilla Firefox

SiteHawk MSDS

SiteHawk

QuickSEARCH

My MSDS Notebook | MSDS Catalog

Material Name/Synonym
Type Search Words Here

General Services Division

MSDS | Vendor | Chemical Areas | Archive | Release

MSDS Ledger

To view the manufacturer's MSDS in Adobe Acrobat, click To view the material's information, click on the **material name**. To view the manufacturer's contact information, click on the **manufacturer's name**. Clicking directly on the column header will reorder the list.

MSDS (English)	Material	Category	CAS	Manufacturer	MSDSDate
	"DuPont" "Advion" Ant Bait Arena			Dupont	1/23/2007
	"Plus-Fifty B"			Ansul, Inc.	9/1/2009
	# 83 Organic Odor Remover			Maintenance Supply Service Corporation	11/6/1987
	#900 Solar Seal Low-VOC			NPC Sealants	1/7/2011
	1 Gal Xtreme Blue -20" Windshield Washer Fluid			Camco Manufacturing, Inc.	2/21/2012
	1065/4235/5016/5018/5021/5026/5028/5034/5046/5047/5065/5126/5321/5328/5334/5335/5365/5624/5626/5818/5820/5828/5830/Bookmark-21 XC-1875XC-2675/Class II, Class III, Class IV Developer			Xerox Corporation	1/7/2008
	1065/4235/5046/5047/5065/5335/5365/5365 SEDocument Centre System 35/Class III/Class IV Black Dry Ink			Xerox Corporation	3/1/2007
	10-S™ (Concentrate)			Momax Incorporated	10/6/2009
	184-Pro Link Baby Powder			Preferred Distributors, Inc.	1/20/1993
	186-Pro Link Tradewinds			Preferred Distributors, Inc.	1/20/1993
	1C Form-A-Gasket #1 Sealant 11OZ			Permatex, Inc	6/9/2010
	2 Look Glass Cleaner Ready-to-Use			Butcher Company	6/25/2003
	21425 Fast Cure Epoxy Part 1			Permatex, Inc	3/2/2009
	21425 Fast Cure Epoxy Part 2			Permatex, Inc	3/2/2009
	22 Speedball 2000 Heavy-Duty Spray Cleaner Concentrate-Use Solution (1:10)			Butcher Company	1/2/2007
	22 Speedball 2000 Power Cleaner Ready-to-Use			Butcher Company	8/25/2003
	2300 S/W Clear	Roof Coatings		Geocel Corporation	7/20/2006

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POWERED BY SiteHawk

1. "MSDS Lookup" Link or Desktop Icon Takes You to the SDS On-Line Inventory (SiteHawk)

To Find a SDS that Your Team Uses:

2. Move Cursor Over “Ledger” Then Click on “Chemical Areas”

The screenshot shows the SiteHawk MSDS website interface. The browser title bar is highlighted with a yellow box and labeled "SiteHawk". The navigation menu at the top includes "Ledger", "Support", and "Search". The "Ledger" menu is circled in red, and a red arrow points to the "Chemical Areas" sub-menu item. Below the navigation menu, the "MSDS Ledger" page is displayed, featuring a table of MSDS entries. A "QuickSEARCH" box is visible on the right side of the page.

MSDS (English)	Material	Category	CAS	Manufacturer	MSDSDate
	"DuPont" "Advion" Ant Bat Arena			Dupont	1/23/2007
	"Plus-Fifty B"			Ansul, Inc.	9/1/2009
	# 83 Organic Odor Remover				
	#900 Solar Seal Low-VOC				
	1 Gal Xtreme Blue -20" Windshield Washer Fluid				
	1065/4235/5016/5018/5021/5026/5028/5034/ 5046/5047/5065/512/5334/5335/ 5365/5624/5626/5818/5820/5829/5830/Bookmark-21 2675/Class II, Class III, Class IV Developer				
	1065/4235/5046/5047/5065/5335/5365/5365 SE/Document Centre III/Class IV Black Dry Ink				
	10-S™ (Concentrate)				
	184-Pro Link Baby Powder				
	186-Pro Link Tradewinds				
	1C Form-A-Gasket #1 Sealant 110Z				
	2 Look Glass Cleaner Ready-to-Use				
	21425 Fast Cure Epoxy Part 1				
	21425 Fast Cure Epoxy Part 2				
	22 Speedball 2000 Heavy-Duty Spray Cleaner Concentrate-Use S				
	22 Speedball 2000 Power Cleaner Ready-to-Use				
	2300 SWD Clear				

Category	CAS	Manufacturer	MSDSDate
		Dupont	1/23/2007
		Ansul, Inc.	9/1/2009
		Maintenance Supply Service Corporation	11/6/1987

To Find a SDS that Your Team Uses:

3. Move Cursor Over and Click on Your Team Name to Get List Of Products Used by Your Team

State Budget and Control Board
General Services

General Services Division Ledger

Chemical Area Ledger

The view the materials found in a Chemical Area, click directly on the Chemical Area name.

[Expand All](#) [Collapse All](#)

- [Aeronautics Commission - Location](#)
- [Budget and Analyses - Department](#)
- [Bus Ops Administration - Department](#)
- [Bus Ops Agency Mail - Department](#)
- [Bus Ops Surplus Property - Department](#)
- [DSIT - Location](#)
- [FM Capitol Complex - Department](#)
- [FM Construction and Planning - Department](#)
- [FM Custodial - Department](#)
- [FM Environmental and Energy - Department](#)
- [FM Horticulture - Department](#)
- [FM Maintenance - Department](#)**
- [FM Maintenance New Product Temp List - Process](#)
- [FM Parking - Department](#)
- [FM Program Support - Department](#)

Chemical Area Materials Ledger

To view the manufacturer's MSDS in Adobe Acrobat, click To View the material's information, click on the **material manufacturer's name**.
Clicking directly on the column header will reorder the list.

FM Maintenance -

MSDS	Material	Category	CAS
	"Plus-Fifty B"		
	#900 Solar Seal Low-VOC		
	1C Form-A-Gasket #1 Sealant 110Z.		
	2300 SWD Clear	Roof Coatings	
	2310 Brushable	Roof Coatings	
	2486 Lightweight Body Filler		
	2596		
	27X37, Clear Wood Finish Gloss		
	27X38, Clear Wood Finish Int. Semi-Gloss		
	2B Form-A-Gasket #2 Sealant 3oz		

To Find a SDS that Your Team Uses:

4. Scroll the Alphabetical List

Or Do A Quick Search . . .

The screenshot shows the 'Chemical Area Materials Ledger' website. A table lists materials with columns for 'MSDS Material', 'Category CAS', 'Manufacturer', and 'MSDSDate'. The entry '2310 Brushable' is circled in red. A red arrow points from this entry to a search box in the top right corner. The search box is also circled in red and contains the text 'Type Search Words Here'. A second red arrow points from the search box to a magnified view of the search interface. In this magnified view, the search box contains '%oil' and is circled in red. A red arrow points from the search box to a search button.

MSDS Material	Category CAS	Manufacturer	MSDSDate
"Plus-Fifty B"		Ansul, Inc.	9/1/2009
#900 Solar Seal Low-VOC		NPC Sealants	1/7/2011
1C Form-A-Gasket #1 Sealant 11OZ.			
2300 Wood Clear			
2310 Brushable			
2486 Lightweight Body Filler			
2596			
27X37, Clear Wood Finish Gloss			
27X38, Clear Wood Finish Int. Semi-Gloss			
2B Form-A-Gasket #2 Sealant 3oz			

Use Percent Sign (%) Then Key Word
Click on Search Button

To Find a SDS that Your Team Uses:

5. Move Cursor Over Desired Product and Click on its Icon

State Water and Control Board
General Services

General Services Division

Search Results

To view the manufacturer's MSDS in Adobe Acrobat, click

Your search for %oil returned 82 records.
Displaying results 1 - 25 of 82

MSDS	Material Name
	3-In-One Multi-Purpose Oil
	3-In-One Oil Professional Silicone Spray Lubricant
	Aerokroil
	Air Compressor Oils Lubriplate No's 0, 1, 2, 2A, 3, 4,
	All Climate Vacuum Pump Oil
	Amofuel No 2 Oil
	AP Armaflex
	Bar and Chain Oil

The SDS for the Desired Product
Can Now Be Viewed & Printed

3-IN-ONE **WD-40 COMPANY**

Material Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company
Address: 1061 Quabry Place (92110)
P.O. Box 80607
San Diego, California, USA
92138 -0607

Telephone:
Emergency only: 1-888-324-7596 (PROSAR)
Information: 1-888-324-7596
Chemical Spills: 1-800-424-9300 (Chemtec)
1-703-527-3887 (International Calls)

Chemical Name: Organic Mixture
Trade Name: 3-IN-ONE Multi-Purpose Oil
Product Use: Lubricant
MSDS Date Of Preparation: February 2012

2 - Composition/Information on Ingredients

Ingredient	CAS#	Weight Percent
Severely Hydrotreated Heavy Naphthenic Oil	64742-62-6	>97
Naphtha, petroleum	64742-47-8	<2
Non-Hazardous Ingredients	Mixture	<3

See Section 8 for Exposure Limits

3 - Hazards Identification

Emergency Overview:
CAUTION! May cause eye irritation. Prolonged or repeated skin contact may cause mild irritation and defatting dermatitis. Avoid eye contact. Avoid prolonged or repeated contact with skin and clothing.

Symptoms of Overexposure:
Inhalation: High concentrations of oil mists may cause nasal and respiratory irritation.
Skin Contact: Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.
Eye Contact: Contact may be irritating to eyes. May cause redness and tearing.
Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into the lungs during swallowing or vomiting may cause chemical pneumonitis.
Chronic Effects: None expected.
Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

Suspected Cancer Agent:
Yes No X

4 - First Aid Measures

Ingestion (Swallowed): Possible Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.
Eye Contact: Flush thoroughly with water. Get medical attention if irritation persists.
Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.
Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

5 - Fire Fighting Measures

Extinguishing Media: Use water fog, drychemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

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Page 3 of 4

Page 4 of 4

Changes to the OSHA HAZCOM Standard

Safety Data Sheets – 16 Part Format:

Section 1: Identification – Includes the

- Product Identifier
- Manufacturer 's or Distributor's
 - Name
 - Address
 - Phone Number
 - Emergency Phone Number
- Recommended Use
- Restrictions on Use

3-IN-ONE			WD-40 COMPANY		Material Safety Data Sheet	
1 - Chemical Product and Company Identification						
Manufacturer: WD-40 Company Address: 1061 Oudshy Place (92110) P.O. Box 80607 San Diego, California, USA 92138-0607 Telephone: 1-888-324-7596 (PROSAR) Emergency only: 1-888-324-7596 Information: 1-800-424-9300 (Chemtec) Chemical Spills: 1-800-424-9300 (Chemtec) 1-705-527-8867 (International Calls)			Chemical Name: Organic Mixture Trade Name: 3-IN-ONE Multi-Purpose Oil Product Use: Lubricant MSDS Date Of Preparation: February 2012			
2 - Composition/Information on Ingredients						
Ingredient		CAS #	Weight Percent			
Severely Hydroreated Heavy Naphthenic Oil		84742-52-5	>97			
Naphtha, petroleum		84742-47-8	<2			
Non-Hazardous Ingredients		Mixture	<3			
See Section 8 for Exposure Limits						
3 - Hazard Identification						
Emergency Overview: CAUTION: May cause eye irritation. Prolonged or repeated skin contact may cause mild irritation and irritating dermatitis. Avoid eye contact. Avoid prolonged or repeated contact with skin and clothing.						
Symptoms of Overexposure: Inhalation: High concentrations of oil mists may cause nasal and respiratory irritation. Skin Contact: Prolonged and/or repeated contact may produce mild irritation and irritating with possible dermatitis. Eye Contact: Contact may be irritating to eyes. May cause redness and tearing. Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into the lungs during swallowing or vomiting may cause chemical pneumonitis. Chronic Effects: None expected. Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.						
Suspected Cancer Agent: Yes No X						
4 - First Aid Measures						
Ingestion (Swallowed): Possible Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately. Eye Contact: Flush thoroughly with water. Get medical attention if irritation persists. Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention. Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.						
5 - Fire Fighting Measures						
Extinguishing Media: Use water fog, drychemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.						

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Changes to the OSHA HAZCOM Standard

Safety Data Sheets – 16 Part Format:

Section 2: Hazard(s) Identification

- All Hazards Regarding the Chemical
- Required Label Elements

Section 3: Composition / Ingredients

- Information on Chemical Ingredients
- Trade Secret Claims

<p>Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing in areas where chemicals are used and stored. Cool fire-exposed containers with water.</p> <p>Unusual Fire and Explosion Hazards: Slightly combustible liquid. If heated above the flashpoint, will release flammable vapors that can present a fire or explosion hazard.</p>																															
<p>6 – Accidental Release Measures</p> <p>Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.</p>																															
<p>7 – Handling and Storage</p> <p>Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing oil mists. Use with adequate ventilation. Keep away from heat, hot surfaces and open flames. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children.</p> <p>Storage: Store in a cool, well-ventilated area, away from incompatible materials. NFP A30 Class IIIB Liquid.</p>																															
<p>8 – Exposure Controls/Personal Protection</p> <table border="1"> <thead> <tr> <th>Chemical</th> <th colspan="3">Occupational Exposure Limits</th> </tr> </thead> <tbody> <tr> <td>Severely Hydrotreated Heavy Naphthenic Oil</td> <td>5 mg/m³ TWA/ACGIH TLV(Inhalable)</td> <td>5 mg/m³ TWA/OSHA PEL</td> <td></td> </tr> <tr> <td>Naphtha, petroleum</td> <td>1200 mg/m³ TWA/Manufacturer recommended</td> <td></td> <td></td> </tr> <tr> <td>Proprietary Additive</td> <td>None Established</td> <td></td> <td></td> </tr> </tbody> </table>				Chemical	Occupational Exposure Limits			Severely Hydrotreated Heavy Naphthenic Oil	5 mg/m ³ TWA/ACGIH TLV(Inhalable)	5 mg/m ³ TWA/OSHA PEL		Naphtha, petroleum	1200 mg/m ³ TWA/Manufacturer recommended			Proprietary Additive	None Established														
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Proprietary Additive	None Established																														
<p>The Following Controls are Recommended for Normal Consumer Use of this Product</p> <p>Engineering Controls: Use in a well-ventilated area.</p> <p>Personal Protection:</p> <p>Eye Protection: Avoid eye contact.</p> <p>Skin Protection: Avoid prolonged skin contact. Wash hands with soap and water after use.</p> <p>Respiratory Protection: None needed for normal use with adequate ventilation.</p> <p>For Bulk Processing or Workplace Use the Following Controls are Recommended</p> <p>Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.</p> <p>Personal Protection:</p> <p>Eye Protection: Safety goggles recommended where eye contact is possible.</p> <p>Skin Protection: Wear chemical resistant gloves.</p> <p>Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.</p> <p>Work/Hygiene Practices: Wash with soap and water after handling.</p>																															
<p>9 – Physical and Chemical Properties</p> <table border="1"> <tbody> <tr> <td>Boiling Point:</td> <td>>650°F</td> <td>Specific Gravity:</td> <td>0.866-0.923 @20°C</td> </tr> <tr> <td>Solubility in Water:</td> <td>Insoluble</td> <td>pH:</td> <td>Not Applicable</td> </tr> <tr> <td>Vapor Pressure:</td> <td>Not Determined</td> <td>Vapor Density:</td> <td>Not Determined</td> </tr> <tr> <td>Percent Volatile:</td> <td>Nil</td> <td>VOC:</td> <td>0%</td> </tr> <tr> <td>Coefficient of Water/Oil Distribution:</td> <td>Not Determined</td> <td>Appearance/Odor:</td> <td>Clear amber liquid with a faint citronella odor</td> </tr> <tr> <td>Flash Point:</td> <td>Greater than 305°F Tag Open Cup</td> <td>Flammable Limits:</td> <td>Not determined</td> </tr> <tr> <td>Viscosity:</td> <td>112 cSt (23.31 cSt) @ 100°F</td> <td></td> <td></td> </tr> </tbody> </table>				Boiling Point:	>650°F	Specific Gravity:	0.866-0.923 @20°C	Solubility in Water:	Insoluble	pH:	Not Applicable	Vapor Pressure:	Not Determined	Vapor Density:	Not Determined	Percent Volatile:	Nil	VOC:	0%	Coefficient of Water/Oil Distribution:	Not Determined	Appearance/Odor:	Clear amber liquid with a faint citronella odor	Flash Point:	Greater than 305°F Tag Open Cup	Flammable Limits:	Not determined	Viscosity:	112 cSt (23.31 cSt) @ 100°F		
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<p>Page 2 of 4</p>																															

Changes to the OSHA HAZCOM Standard

Safety Data Sheets – 16 Part Format:

Section 4: 1st Aid Measures

- Important Symptoms and Effects
 - Acute or Delayed
- Required Treatment

Section 5: Fire-Fighting Measures

- Lists Suitable Extinguishing Techniques and Equipment
- Chemical Hazards From Fire

10 – Stability and Reactivity Stability: Stable Hazardous Polymerization: Will not occur. Conditions to Avoid: Avoid heat, flames and other sources of ignition. Incompatibilities: Strong oxidizing agents. Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.
11 – Toxicological Information The oral toxicity of this product is estimated to be greater than 5,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.
12 – Ecological Information No data is currently available.
13 – Disposal Considerations If this product becomes a waste, it would not be expected to meet the criteria of a RCRA of a hazardous waste. However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.
14 – Transportation Information DOT Surface Shipping Description: Not Regulated IMDG Shipping Description: Not Regulated
15 – Regulatory Information U.S. Federal Regulations: CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations. SARA TITLE III: Hazard Category For Section 311/312: Non-Hazardous. Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None Section 302 Extremely Hazardous Substances (TEQ): None EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory. California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65. VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules. Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List, Canadian Non-Domestic Substances List, or exempt from notification. Canadian WHMIS Classification: Not a controlled product. This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

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Changes to the OSHA HAZCOM Standard

Safety Data Sheets – 16 Part Format:

Section 6: Accidental Release Measures

- Emergency Procedures
- **Protective Equipment**
- Proper Containment and Cleanup

Section 7: Handling and Storage

- Precautions for Safe Handling and Incompatibilities

The image shows a sample Safety Data Sheet (SDS) form, likely OSHA Form 1600, which is a 16-part format. The form is titled "SAFETY DATA SHEET" and includes a header with the OSHA logo and the text "OSHA Form 1600-10/2009". The form is divided into several sections, including:

- Section 1: Identification** (Product name, manufacturer, etc.)
- Section 2: Hazard Identification** (GHS hazard pictograms, signal words, etc.)
- Section 3: Composition/Information on Ingredients** (List of ingredients, CAS numbers, etc.)
- Section 4: First Aid** (First aid measures for various routes of exposure)
- Section 5: Fire and Explosion** (Fire hazard, flammability, etc.)
- Section 6: Accidental Release Measures** (Emergency procedures, protective equipment, etc.)
- Section 7: Handling and Storage** (Precautions for safe handling, storage, etc.)
- Section 8: Exposure Controls/Personal Protection** (Occupational exposure limits, respiratory protection, etc.)
- Section 9: Physical and Chemical Properties** (Appearance, odor, boiling point, etc.)
- Section 10: Stability and Reactivity** (Stability, reactivity, etc.)
- Section 11: Toxicological Information** (Toxicity data, etc.)
- Section 12: Ecological Information** (Environmental fate, etc.)
- Section 13: Disposal** (Disposal methods, etc.)
- Section 14: Transport Information** (Hazard class, etc.)
- Section 15: Regulatory Information** (OSHA, EPA, etc.)
- Section 16: Other Information** (Additional information, etc.)

Changes to the OSHA HAZCOM Standard

Safety Data Sheets – 16 Part Format:

Section 8: Exposure Controls / Personal Protection

- Permissible Exposure Limits
- Threshold Limit Values
- Engineering Controls
- **Personal Protective Equipment**

Section 9: Physical & Chemical Properties

- Chemical's Characteristics

The image shows a Safety Data Sheet (SDS) for Hydrogen Peroxide, 35% solution. The document is structured into 16 sections, with the first few sections visible. The header includes the product name and manufacturer information. Section 1 (Hazard Identification) lists the GHS hazard statements: 'Oxidizing liquid', 'Corrosive to metals', and 'Very toxic to aquatic life with long-term effects'. Section 2 (Hazardous Ingredients) lists the chemical name and concentration. Section 3 (Hazardous Properties) includes the flash point, boiling point, and vapor pressure. Section 4 (First Aid Measures) provides instructions for eye, skin, and inhalation exposure. Section 5 (Fire-Fighting Measures) describes the fire hazard and extinguishing methods. Section 6 (Accidental Release Measures) outlines spill containment and cleanup procedures. Section 7 (Handling and Storage) provides instructions for safe use and storage conditions. Section 8 (Exposure Controls/Personal Protection) is highlighted in yellow in the original image and lists the required personal protective equipment (PPE) and engineering controls. Section 9 (Physical and Chemical Properties) is also highlighted in yellow and lists the chemical's physical characteristics.

Changes to the OSHA HAZCOM Standard

Safety Data Sheets – 16 Part Format:

Section 10: Stability & Reactivity

- Lists Possibility of Hazardous Reactions

Section 11: Toxicological Information

- Routes of Exposure
- Related Symptoms
- Acute and Chronic Effects
- Numerical Measures of Toxicity

The image shows a sample Safety Data Sheet (SDS) form from IFS. The form is titled "SDS SAFETY DATA SHEET" and includes a header with the IFS logo and product information. The form is divided into several sections, including:

- SECTION 1 - IDENTIFICATION:** Product name, manufacturer, and contact information.
- SECTION 2 - HAZARD IDENTIFICATION:** Hazard pictograms (flame, skull and crossbones), hazard statements, and signal words.
- SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS:** List of ingredients and their concentrations.
- SECTION 4 - FIRST AID MEASURES:** Instructions for first aid in case of exposure.
- SECTION 5 - FIRE FIGHTING MEASURES:** Fire hazard, extinguishing media, and special fire fighting instructions.
- SECTION 6 - ACCIDENT AND SPILL RESPONSE:** Clean-up procedures and disposal methods.
- SECTION 7 - HANDLING AND STORAGE:** Safe handling practices and storage conditions.
- SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION:** Exposure limits and required PPE.
- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:** Physical and chemical characteristics of the substance.
- SECTION 10 - STABILITY AND REACTIVITY:** Information on stability and potential hazardous reactions.
- SECTION 11 - TOXICOLOGICAL INFORMATION:** Routes of exposure, related symptoms, acute and chronic effects, and numerical measures of toxicity.
- SECTION 12 - ECOLOGICAL INFORMATION:** Environmental fate and effects.
- SECTION 13 - DISPOSAL CONSIDERATIONS:** Disposal methods and regulations.
- SECTION 14 - TRANSPORT INFORMATION:** Hazard classification and transport requirements.
- SECTION 15 - REGULATORY INFORMATION:** Regulatory references and restrictions.
- SECTION 16 - OTHER INFORMATION:** Additional information and references.

Changes to the OSHA HAZCOM Standard

Safety Data Sheets – 16 Part Format:

Section 12: Ecological Information

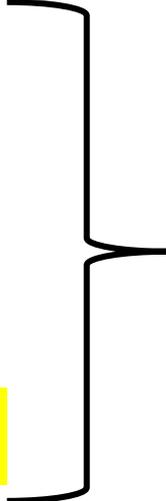
Section 13: Disposal Considerations

Section 14: Transport Considerations

Section 15: Regulatory Considerations

Section 16: Other Information

- Date of Preparation or Last Revision



Enforced by
Other Agencies
(Not OSHA)

Changes to the OSHA HAZCOM Standard

LABELS – as of Dec 1, 2015

will be required to have:

- 1. Product Identifier**
- 2. Signal Word**
- 3. Hazard Statement**
- 4. Pictograms**
- 5. Precautionary Statement**
- 6. Supplier Identification**

SAMPLE



ToxiFlam (Contains: X Y Z)

Danger!
Toxic If Swallowed
Flammable Liquid and Vapor



Do not eat, drink or use tobacco when using this product. Wash hands thoroughly after handling. Keep container tightly closed. Keep away from heat/sparks/open flame – No Smoking. Wear protective gloves and eye/face protection. Ground container and receiving equipment. Use explosion-proof electrical equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Store in cool/well ventilated place.

IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician. Rinse mouth.

In case of fire, use water fog, dry chemical, CO₂ or “alcohol” foam.

See Safety Data Sheet for further details regarding this product.

MyCompany, MyStreet, MyTown NJ 00000
Tel: 444 999 9999

Changes to the OSHA HAZCOM Standard

SAMPLE

LABEL:

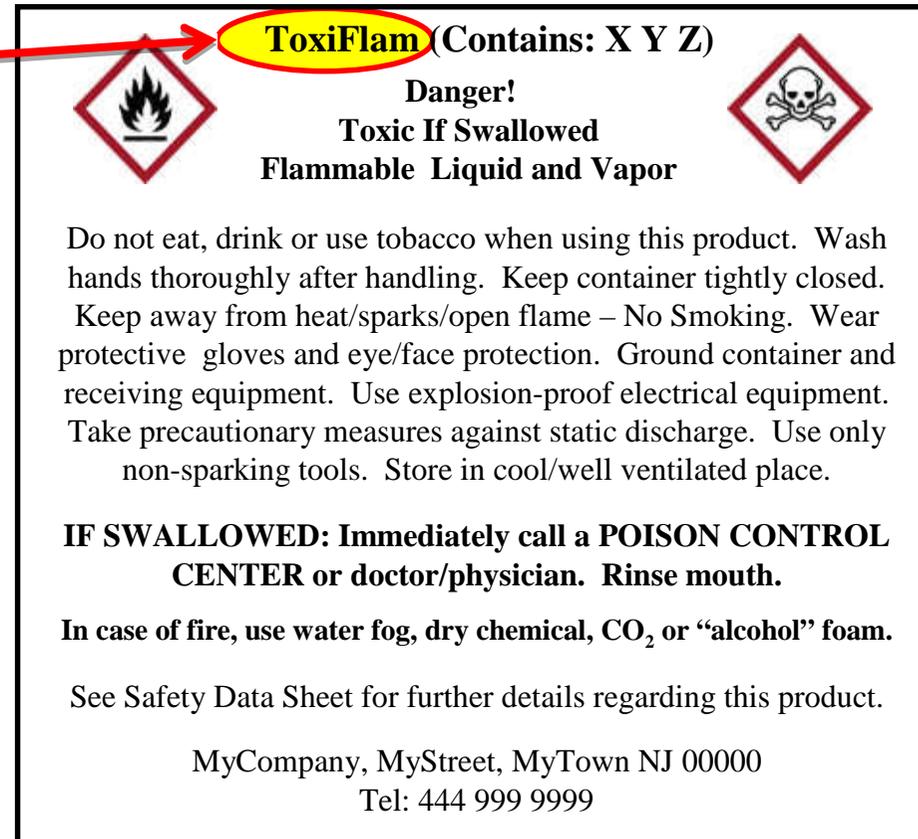
Product Identifier - the

- **Chemical Name**
- **Product Name or**
- **Other Unique Identifier**

**Used On Both
the Label**

and the

Safety Data Sheet



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Changes to the OSHA HAZCOM Standard

LABEL:

Signal Word

Indicates the Severity of the Chemical Hazard

- **DANGER** – Most Severe
- **Warning** – Less Severe

SAMPLE

 **ToxiFlam (Contains: X Y Z)** 

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Changes to the OSHA HAZCOM Standard

SAMPLE

LABEL:

Hazard Statement

- Describes the Nature and Degree of the Chemical Hazard
- Standardized Phrase is Pre-Determined by its Chemical Classification and Category
 - As Evaluated by the Manufacturer In Accordance With OSHA Criteria

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Flammable Liquid and Vapor

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Changes to the OSHA HAZCOM Standard

SAMPLE

LABEL: Pictograms

- a **Black Symbol**
(Determined By the Chemical's Classification & Category)
- on a **White Background**
- with a **Red Border**
- Conveys Specific Information About the Hazards of the Chemical

ToxiFlam (Contains: X Y Z)

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Flammable Liquid and Vapor

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Changes to the OSHA HAZCOM Standard

LABEL: Pictograms



Flame Over Circle

Oxidizer – Material May Cause Ignition of Combustibles Without External Source of Ignition



Flame

Flammables, Self-Reactives, Pyrophorics, Self-Heating, Emits Flammable Gas, Organic Peroxides



Exploding Bomb

Explosives, Self-Reactives, Organic Peroxides

Changes to the OSHA HAZCOM Standard

LABEL: Pictograms



Skull and Crossbones

Acute Toxicity (Severe) – Poisonous; Capable of Causing Serious Debilitation or Death



Corrosion

Corrosives – Chemical Action Eats or Wears Away Thus Weakening or Destroying Metals, or Burns Skin or Eyes



Gas Cylinder

Gases Under Pressure

Changes to the OSHA HAZCOM Standard

LABEL: **Pictograms**



Health Hazard

**Carcinogen; Respiratory Sensitizer; Mutagenicity;
Or Reproductive, Target Organ or Aspiration
Toxicity**



Exclamation Mark

**Irritant, Dermal Sensitizer, Acute Toxicity
(harmful), Narcotic Effects, Respiratory Tract
Irritant**

Also Voluntarily Identifies Substances Hazardous to the Ozone

Changes to the OSHA HAZCOM Standard

LABEL: Other **Pictograms** You May See



Environment

Acute or Chronic Aquatic Toxicity

Enforced By EPA (Not OSHA)



Biological

Biological Substances Can Be Hazardous

But Are Not Regulated by OSHA



Exempt:

- Consumer Products
- Articles That Under Normal Conditions Pose No Physical Hazard or Health Risk
 - Can Change If Cut Into or Welded



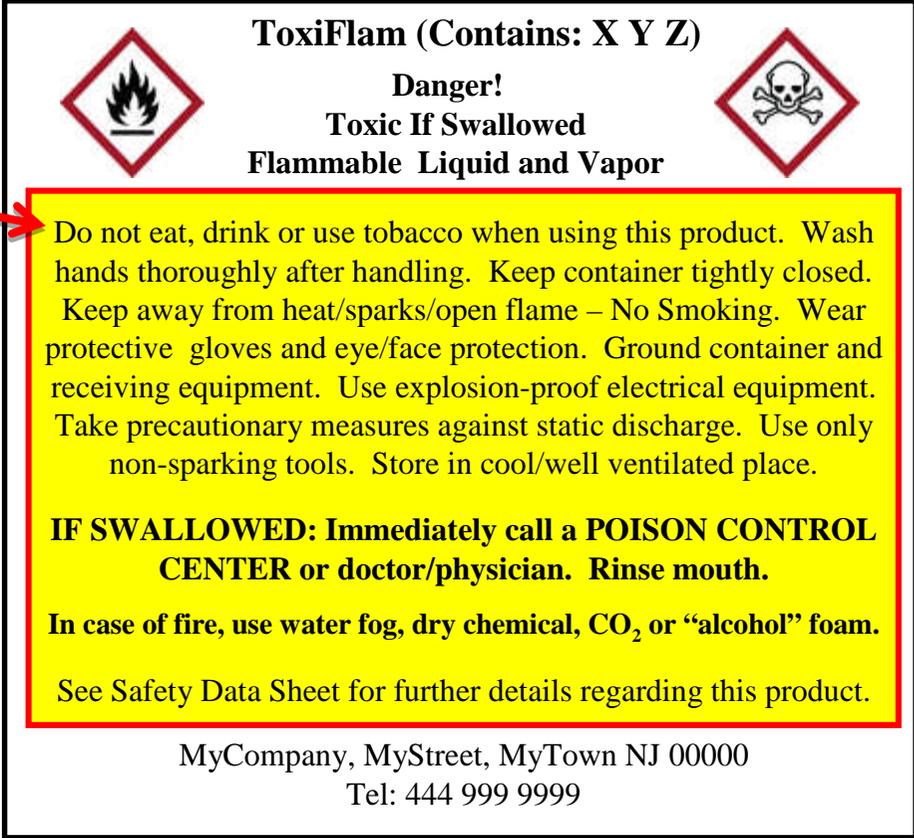
Changes to the OSHA HAZCOM Standard

SAMPLE

LABEL:

Precautionary Statements

- Describes Recommended Measures to Minimize or Prevent Adverse Effects Resulting From Exposure or From Improper Handling or Storage
- Standardized Phrase is Pre-Determined by its Chemical Classification and Category



The image shows a sample hazard label for a chemical product named "ToxiFlam". The label is rectangular with a black border. At the top, it reads "ToxiFlam (Contains: X Y Z)". Below this, there are two hazard pictograms: a flame in a diamond on the left and a skull and crossbones in a diamond on the right. In the center, the text reads "Danger! Toxic If Swallowed Flammable Liquid and Vapor". A large yellow rectangular area with a red border contains the following text: "Do not eat, drink or use tobacco when using this product. Wash hands thoroughly after handling. Keep container tightly closed. Keep away from heat/sparks/open flame – No Smoking. Wear protective gloves and eye/face protection. Ground container and receiving equipment. Use explosion-proof electrical equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Store in cool/well ventilated place. IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician. Rinse mouth. In case of fire, use water fog, dry chemical, CO₂ or “alcohol” foam. See Safety Data Sheet for further details regarding this product." At the bottom of the label, the contact information is provided: "MyCompany, MyStreet, MyTown NJ 00000 Tel: 444 999 9999". A red arrow points from the "Precautionary Statements" section of the slide to the yellow box on the label.

ToxiFlam (Contains: X Y Z)

Danger!
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Flammable Liquid and Vapor

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Changes to the OSHA HAZCOM Standard

SAMPLE

LABEL:

Supplier Identification

- The Name
 - Address and
 - Telephone Number
- Of the
- Chemical Manufacturer
 - Importer or
 - Other Responsible Party



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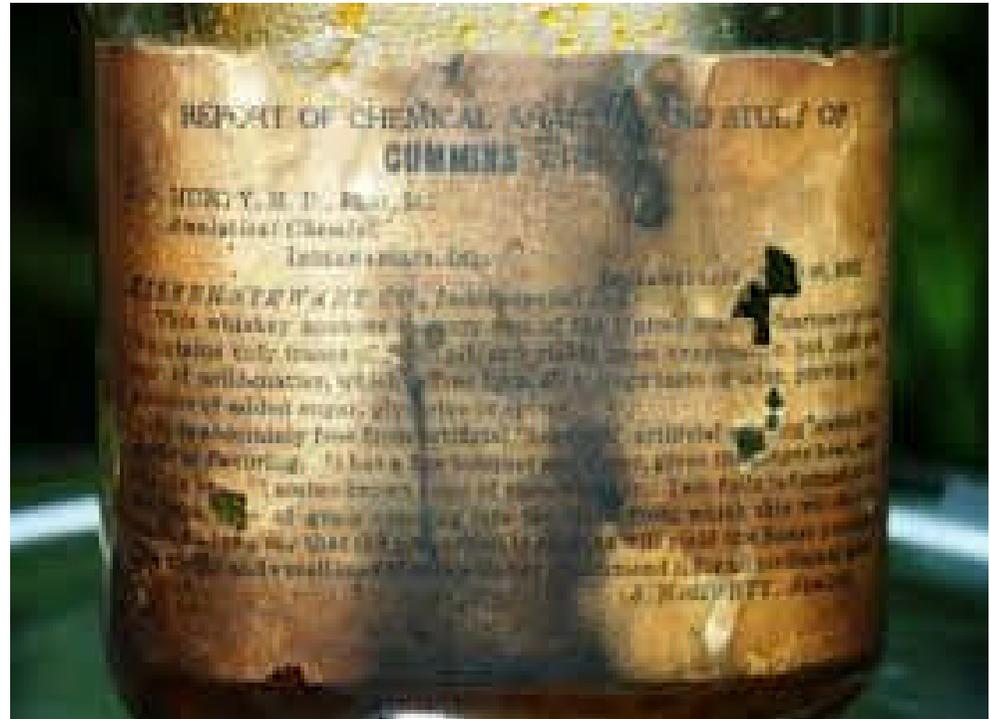
MyCompany, MyStreet, MyTown NJ 00000
Tel: 444 999 9999

the OSHA HAZCOM Standard

LABELS:

**Do Not Open / Use
the Container If:**

- No Label
- Torn or Partially Missing Label
- Label You Cannot Read



Report to Supervisor

or BCB Safety for Replacement or Disposal

the OSHA HAZCOM Standard

LABELS Not Required On:

Portable Containers -

- When Transferred For Personal Use (by that Employee) ONLY
- Must Be Used by End of Shift
- **Must Have Label If Passed On to Another Worker**



Piping Systems

OSHA's Revised HAZCOM Standard



New Labels with Added Information

- Signal Word
- Hazard Statement
- Pictograms
- Precautionary Statement

New Safety Data Sheet Format with 16 Prescribed Parts

How to Find SDS on SiteHawk: BCB's On-Line Inventory

QUESTIONS???

Contact BCB Safety: Holly Bockow, 737-2311 / Bernie Lee, 737-2315