LINCOLN COUNTY
Local Emergency Planning Committee

Municipality: City of Merrill

Mitchell Metal Products
905 S. State St.
Merrill WI 54452
Phone 715-536-0130

WEM Facility ID #: 201888

Extremely Hazardous Substance:
Sulfuric Acid

Printed by: Lincoln County Office of Emergency Management
801 N. Sales Street, Suite 202
Merrill, WI 54452
Office 715-536-6228 [redacted]
Fax: 715-539-8054
[redacted]

Copies For: Merrill Fire Department
Merrill Police Department
Lincoln County Sheriff's Department
Lincoln County Emergency Management

Original Plan Date:	**June 2019**	
RECORD OF PLAN UPDATES		
Month Year		
October 2019	New plan drafted	September Murphy

EPCRA OFF-SITE PLAN

I. FACILITY NAME:

Mitchell Metal Products
905 S. State St.
PO Box 207
Merrill, WI 54452
Phone Number: 715-535-7176
Facility WEM ID #: 201888

II. FACILITY COORDINATOR: ALTERNATE COORDINATOR:

Doug Borre
Safety, Training and Improvement Manager

Jeff Shellhorn
Quality/Continuous Improvement Manager

[redacted]

III. CHEMICALS ON SITE: EXTREMELY HAZARDOUS SUBSTANCES

CAS #	Chemical / Trade Name	Max. Qty.	Vul. Zone	Rural/Urban
7664939	Sulfuric Acid	1200 lbs	See Map	Urban

OTHER HAZARDOUS CHEMICALS

CAS #	Chemical / Trade Name	Hazardous Ingredients	% By Volume	Max. Qty. (lbs)
	Hydrite #1066 (Sulfuric Acid 93.19%)	Mix	93.19	1051
	PavChrome Superblack A	Mix		756
	Pavchrome Superblack B	Mix		756
7664939	Sulfuric Acid (Battery Acid)	Pure		81.36

IV. PRIMARY EMERGENCY RESPONDERS:

Fire Department	9-1-1 or	715- 536-2233
Ambulance Department	9-1-1 or	715-536-2233
Merrill Police Department	9-1-1 or	715-536-8311
Lincoln County Sheriff's Department	9-1-1 or	715-536-6272
Lincoln County Emergency Management	715-536-6228	715-218-0128
Wisconsin State Patrol-Wausau Post	715-845-1143	

OUTSIDE RESOURCES AVAILABLE:
Lincoln County contracts with the Oneida County Level B Hazardous Materials Response Team. Contact Lincoln County Dispatch at 9-1-1 and the Level B Team will be dispatched. For Level A incidents, contact the

Wausau Wisconsin Hazardous Response Team through the Wisconsin Emergency Management Duty Officer (1.800.943.0003).

CHEMTREC	1-800-424-9300
National Response Center	1-800-424-8802

V. SUPPORT AVAILABLE FROM FACILITY:

Mitchell Metal Products has, and will maintain, an Emergency Action Plan. This plan has procedures in place to evacuate and account for all Mitchell Metal Products employees in the event of emergencies that require evacuation.

The Mitchell Metal Products Facility Coordinators are the best resources of information regarding locations and amounts of all hazardous materials located on the property. Mitchel Metal Products has first aid kits and small spill kits for limited spills.

VI. GENERAL INFORMATION AND ASSUMPTIONS: (Disclaimer)

The vulnerability zones set forth in this plan are based on the EPA Technical Guidance for Hazards Analysis. The zones are based on a credible worst-case scenario and identify the potential area for impact should an air-borne release of a single EHS chemical occur.

The vulnerability zones are NOT intended to be used as a guide for population protection in fire-related incidents. Fire incidents were considered in the development of this plan and the plan provides basic information about the facility for first responders to employ. However, in an actual fire situation at this facility, the Incident Commander is strongly recommended to reference the fire department's own individual agency pre-emergency plans and standard operating procedures as well as the County's Emergency Operations Plan-Annex K: Fire and Rescue, as they may relate to this facility when making decisions at an incident involving fire.

Further, fire departments that would respond to an incident at this facility are strongly encouraged to meet with facility representatives to determine ways to minimize an event at the facility and to determine what additional information and factors should be taken into consideration in the event of a fire, should one occur.2

The actual response to an incident shall be determined by the field incident commander and the affected area may vary from the planning vulnerability zone identified in this plan. Depending on wind speed and direction, the amount of material released and other pertinent factors, the ACTUAL vulnerability zone may be smaller, and in some instances larger, than the credible worst case vulnerability zone identified herein.

The vulnerability zones determined in this plan are for general PLANNING PURPOSES.

VII. HAZARD ANALYSIS SUMMARY:

Mitchel Metal Products is a metal manufacturing facility. They manufacture a wide variety of metal parts from custom pieces to Christmas wreaths. Utilizing several techniques such as stamping, forming, and plating. Operations include metal forming, robotic welding, resistance welding, and staining.

Sulfuric Acid General Hazards

-Explosions may occur if sulfuric acid comes in contact with many metals, carbides, chlorates, perchlorates, permanganates, bases, and reducing agents.

-Concentrated sulfuric acid is stable, but may violently react with water, inorganic substances, and many organic compounds due to its powerful dehydrating, oxidizing, and sulfonating properties.
-Sulfuric acid is noncombustible, but can cause finely divided combustible substances to ignite.
-Sulfuric acid (especially dilute) reacts with most metals to produce hydrogen gas which is flammable and potentially explosive.
-Concentrated sulfuric acid is highly corrosive and can cause severe burns upon skin contact or permanent loss of vision upon eye contact. Dilute sulfuric acid is still a skin and eye irritant, but health effects are usually not as severe.
-Sulfuric acid mist severely irritates the eyes, skin, and respiratory tract. Higher inhalation exposures may lead to temporary lung irritation with breathing difficulty.
-Sulfuric acid reacts with many substances to generate highly toxic products, so be aware of any toxic products produced by the reaction. Examples include carbon monoxide formation from reaction with formic or oxalic acid, HCN formation with cyanide salts, and SO2 and Br2 formation with sodium bromide.
-Chronic exposure to sulfuric acid mist may lead to bronchitis, skin lesions, conjunctivitis, and erosion of the teeth.
-Note Sulfuric Acid mixed with a reducer such as sodium metabisulfite may generate HYDROGEN SULFIDE, a poisonous gas. (Potential hazard at NORTHERN WIRE)

Sulfuric Acid Spill Response Steps

-Evacuate personnel and secure entrance into area
-Eliminate all ignition sources
-Neutralize spill with crushed limestone, soda ash, or lime and place into sealed containers for disposal
-DO NOT USE WATER OR WET METHOD
-ventilate area of spill or leak
-Do not wash into sewer
-Dispose of properly

Vulnerability Zones for **Sulfuric Acid** were computed using CAMEO*fm* software. Parameters used in the analysis are as follows:

EHS Chemical:	**Insert Chemical Name**
	Liquid in barrel drum
Container Size:	55 Gallon drum
Concentration:	
Parameters used in the hazard analysis: moderate Northwest Wind	
Level of Concern:	Medium 0.008
	Complete Release of all Sulfuric Acid

WORST CASE SCENARIO:		**RE-EVALUATION SCENARIO**	
Rural or Urban		Rural or Urban	
Wind Speed	3.4 mph	Wind Speed	11.9 mph
Atmos. Stability Class		Atmos. Stability Class	
Vulnerability Zone	<.1mile	Vulnerability Zone	<.1mile

VIII. SPECIAL FACILITIES AFFECTED:

None.

IX. POPULATION PROTECTION:

The determination to shelter in place or to evacuate will be made by the on-scene commander as appropriate. The lead-time for a hazardous materials incident may be very short. As a result, there may not be time enough for safe evacuation, especially when extremely toxic chemical fumes are involved. An evacuation under these considerations may expose the population to dangerous toxic chemicals and the decision may be made to shelter in place. Preferred areas for protective sheltering would be interior hallways, rooms without windows or exterior doors, enclosed stairways and rooms on the side of the building away from where the hazard is approaching. Doors, windows, and other potential air leaks should be sealed up to prevent toxic fumes from entering.

Experience indicates that shelter space would need to be provided for only 30% of the population within the initial isolation and evacuation zones and the remaining 70% would seek shelter with family and friends outside of the risk zone.

Roles and responsibilities relative to evacuation and sheltering as well as a list of shelters appear in the Lincoln County Emergency Operations Plan (EOP) Annex E evacuation and shelter.

X. SPECIAL CONSIDERATION:

None.

FEDERAL REPORTING REQUIREMENTS:

Emergency release notification, Section 304, requires the owner or operator of a facility to immediately report a release of a Comprehensive Environmental Response Compensation and Liability Act (CERCLA) hazardous substance or a SARA extremely hazardous substance (EHS) which meets or exceeds the reportable quantity (RQ) for release to the appropriate governmental entities: National Response Center (1-800-424-8802), the Lincoln County Emergency Management LEPC Office (715-536-6228), and Wisconsin Emergency Management (1-800-943-0003).

Section 304 EHS releases or CERCLA hazardous substance releases which equal or exceed the RQ also require that a written follow-up report be submitted to the Wisconsin Emergency Management and the affected LEPC within 30 (thirty) days and should include as many of the following as possible: the name of the chemical and the location of the release; quantity of the released substance; the time and duration of the release; whether the substance was released into the air, water, or soil, or some combination of the three; actions taken to respond to or contain the release; identity of responders to the release; a contact person for the release; and known or anticipated acute or chronic health risks, if any.
The reporting quantity (RQ) for SULFURIC ACID is 1000 pounds; the Threshold Planning Quantity (TPQ) for SULFURIC ACID is 1000 pounds.

STATE REQUIREMENTS:

Wisconsin Statute §292.11 does not identify a minimum quantity for release. Notification of a release must be made to the DNR regardless of the quantity (800-943-0003).

XI. DISTRIBUTION

A copy of this plan is on file at the following locations:
Merrill Police Department
Merrill Fire Department, EMS

Merrill City Hall
Lincoln County Sheriff's Office
Lincoln County Emergency Management

XII. ATTACHMENT

Facility Photos
Facility Layout Highlighting EHS Chemical Storage Location
Map
Vulnerability Zone Map Highlighting Special Facilities
Computer Generated Vulnerability Zone Calculations
Chemical Data Sheet(s) on EHS Chemicals
Chemical Data Sheet(s) on Other Chemicals

Note: There are no local ordinances in Lincoln County, which mandate specific routes for vehicles carrying Extremely Hazardous Substances. (EHSs). Thus, EHSs may be transported over any local, state, or federal highway for which weight limits are me

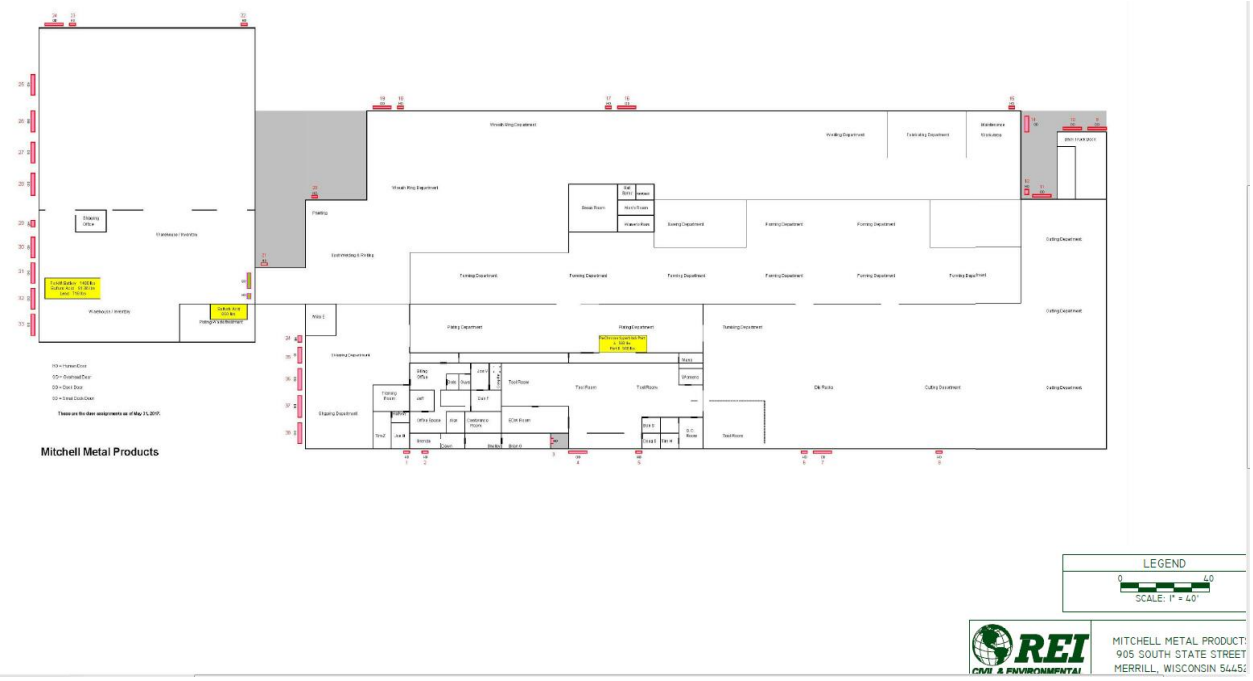
Facility Pictures Lincoln County

Figure 1 Sulfuric Acid

Figure 2 Pavchrome Superblack A & B

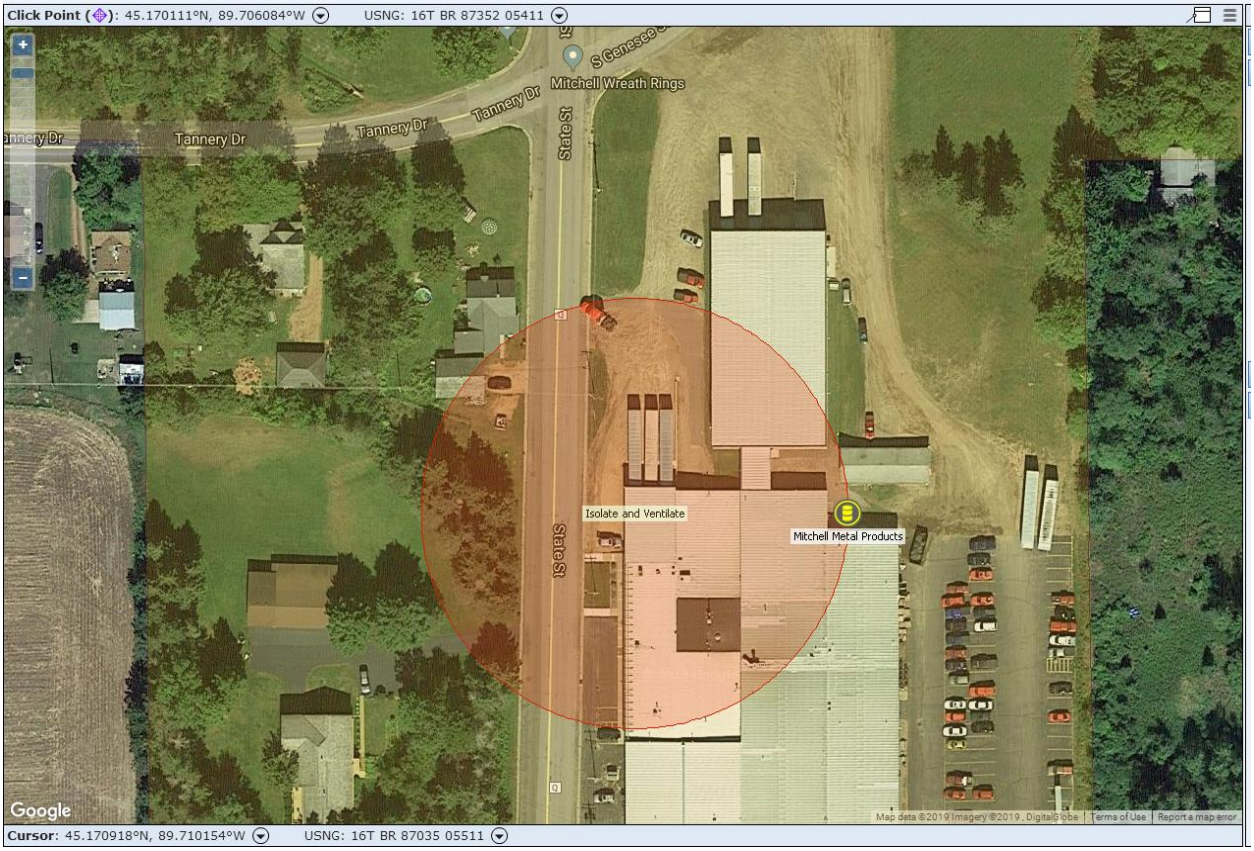
Figure 3 Electric forklift and charging area

Map


Mitchell Metal Products
LEGEND
0
40
SCALE: 1" = 40'
REI
CIVIL & ENVIRONMENTAL
MITCHELL METAL PRODUCTS
905 SOUTH STATE STREET
MERRILL, WISCONSIN 54452

Vulnerability Zone Map Highlighting Special Facilities

Vulnerability Zone: 150 feet radius for isolation of spill and ventilation. Chemicals are stored Northwest and west side of building near tannery Dr. and State Street (See map for more details).



SCREENING/SCENARO NAME:
Facility/Route Name: Mitchell Metal Products, DeptType.:
[x] In Inventory [ ] In Transit [ ] Shipper
Chemical: Sulfuric Acid CAS: 7664-93-9
STORAGE
Amount Released: 1200 pounds
Concentration: 93.2 as % of weight
Physical State at 20C (68F): liquid
Diked Area: sq ft
RELEASE PARAMETERS
Duration: 10 minutes
Wind Speed: 3.35 mph Wind From: in degrees measured clockwise from zero north.
Ground Roughness: Urban or Forest
Stability Class: F
Atmospheric concentration level of concern: .008 gm/m(3)
LOC Type: Greenbook LOC
Risk: Low, Consequences: Low, Overall risk: Low
Threat zone radius: < .1 miles
NOTES
No Notes data available.

SAFETY DATA SHEET

HYDRITE #1066
Product ID: WT106601
Revised: 06-12-2014
Replaces: 09-01-2011

1. IDENTIFICATION

Product Name:	HYDRITE #1066
Synonyms:	Sulfuric Acid; Oil of Vitriol; Hydrogen Sulfate
CAS Number:	MIXTURE
Recommended Use:	No data available.
Restrictions on Use:	No data available.

Hydrite Chemical Co.
300 N. Patrick Blvd.
Brookfield, WI 53008-0948
(262) 792-1450

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency #: (414) 277-1311
CHEMTREC Emergency #: (800) 424-9300

2. HAZARD(S) IDENTIFICATION

Signal Word:	Danger
GHS Classification:	Substance or mixture corrosive to metals Category 1 Skin Corrosion/Irritation Category 1A Serious Eye Damage/Eye Irritation Category 1 Carcinogenicity Category 1A Acute Toxicity - Inhalation Vapour Category 2 Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2 Acute Toxicity - Inhalation Dust / Mist Category 3
Hazard Statements:	May be corrosive to metals. Causes severe skin burns and eye damage. Fatal if inhaled. Toxic if inhaled. May cause cancer. May cause damage to organs (teeth, respiratory system) through prolonged or repeated exposure (by inhalation).

Precautionary Statements:

Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original container. Do not breathe dust, fume, gas, mist, vapors or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear gloves, eye and face protection and protective clothing. Wear respiratory protection.
Response:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

HAWKER

SAFETY DATA SHEET

Form #: SDS 853020H
Revised: AA (06-16-16)
Supersedes: 05/14/2015
ECO #: 1001735

I. PRODUCT IDENTIFICATION

Chemical Trade Name (as used on label):
Lead-Acid Battery, Wet

Synonyms:
Industrial Battery, Traction Battery, Stationary Battery, Deep Cycle Battery

Manufacturer's Name/Address:
Hawker Powersource
P.O. Box 808
9404 Ooltewah Industrial Drive
Ooltewah, TN 37363

Chemical Family/Classification:
Electric Storage Battery

Telephone:
For information and emergencies, contact Hawker's Environmental, Health & Safety Dept. at 423-238-5700 ATTN: Kevin P. Wileman

24-Hour Emergency Response Contact:
CHEMTREC DOMESTIC: 800-424-9300 CHEMTREC INT'L: 703-527-3877

II GHS HAZARDS IDENTFICATION

HEALTH		ENVIRONMENTAL	PHYSICAL
Acute Toxicity (Oral/Dermal/Inhalation)	Category 4	Aquatic Chronic 1	Explosive Chemical, Division 1.3
Skin Corrosion/Irritation	Category 1A	Aquatic Acute 1	
Eye Damage	Category 1		
Reproductive	Category 1A		
Carcinogenicity (lead compoun	Category 1B		
Carcinogenicity (arsenic)	Category 1A		
Carcinogenicity (acid mist)	Category 1A		
Specific Target Organ Toxicity (repeated exposure)	Category 2		

GHS LABEL:

HEALTH	ENVIRONMENTAL	PHYSICAL
		

Hazard Statements
DANGER!
Causes severe skin burns and serious eye damage.
May damage fertility or the unborn child if ingested or inhaled.
May cause cancer if ingested or inhaled.
Causes damage to central nervous system, blood and kidneys through prolonged or repeated exposure.
May form explosive air/gas mixture during charging.
Extremely flammable gas (hydrogen).
Explosive, fire, blast, or projection hazard.
May cause harm to breast-fed children
Harmful if swallowed, inhaled, or contact with skin
Causes skin irritation, serious eye damage.

Precautionary Statements
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing, eye protection/face protection.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Contact with internal components may cause irritation or severe burns. Avoid contact with internal acid.
Irritating to eyes, respiratory system, and skin.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood
Avoid contact during pregnancy/while nursing
Keep away from heat/sparks/open flames/hot surfaces. No smoking

III. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Approximate % by Wt.
Inorganic Lead Compound:		
Lead	7439-92-1	60-70
* Antimony	7440-36-0	2
* Arsenic	7440-38-2	0.2
* Calcium	7440-70-2	0.04
* Tin	7440-31-5	0.2
Electrolyte (Sulfuric Acid (H2SO4/H2O))	7664-93-9	10-30
Case Material:		5-10
Polypropylene	9003-07-0	
Polystyrene	9003-53-6	
Styrene Acrylonitrile	9003-54-7	
Acrylonitrile Butadiene Styrene	9003-56-9	
Styrene Butadiene	9003-55-8	
Polyvinylchloride	9002-86-2	
Polycarbonate, Hard Rubber, Polyethylene	9002-88-4	

Page 1

SAFETY DATA SHEET
PAVCHROME SUPERBLACK A

Prepared according to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	PAVCHROME SUPERBLACK A
PRODUCT CODE:	ZC220
CHEMICAL FAMILY NAME:	Mixture
U.N. NUMBER:	UN3264
U.N. DANGEROUS GOODS CLASS:	Corrosive liquid, acidic, inorganic, n.o.s. (Contains Chromic Acid and Sulfuric Acid), Class 8, PGII
SUPPLIER/MANUFACTURER'S NAME:	PAVCO INC
ADDRESS:	1935 John Crosland Jr. Dr, Charlotte, NC 28208 USA
EMERGENCY PHONE:	**TOLL-FREE in USA/Canada** 1-800-424-9300 Chemtrec
BUSINESS PHONE:	1-704-496-6800 (Product Information)
BUSINESS FAX:	1-704-496-6810
WEB SITE:	www.pavco.com
DATE OF CURRENT REVISION:	June 3, 2015
DATE OF LAST REVISION:	October 23, 2013

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a reddish orange liquid with a slight odor.

Health Hazards: Prolonged or repeated exposure to this product may cause skin irritation. Contact with eyes may cause severe irritation. Ingestion may cause gastrointestinal discomfort. Inhalation of vapor or mist may cause respiratory irritation.

Flammability Hazards: This product is Non-Flammable with a flash point greater than 200°F

Reactivity Hazards: Slightly reactive

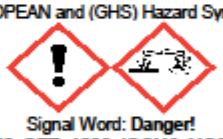
Environmental Hazards: No data available on this product and its effects on aquatic life if released into the environment. However, release of this product is not expected to have adverse long lasting environmental effects.

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Danger!**

CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex VI

EC# 231-791-2 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 215-607-8 Annex VI Index# 024-001-00-0

EC# 231-639-5 Annex VI Index# 016-020-00-8

Substances not listed either individually or in group entries must be self classified.

GHS Hazard Classification(s):

Acute Oral Toxicity Category 4
Skin Corrosive Category 1A
Acute Aquatic Toxicity Category 1
Chronic Aquatic Toxicity category 3

SAFETY DATA SHEET

PAVCHROME SUPERBLACK B

Prepared according to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	PAVCHROME SUPERBLACK B
PRODUCT CODE:	ZC320
CHEMICAL FAMILY NAME:	Mixture
U.N. NUMBER:	None
U.N. DANGEROUS GOODS CLASS:	Non-Regulated Material
SUPPLIER/MANUFACTURER'S NAME:	PAVCO INC
ADDRESS:	1935 John Crosland Jr. Dr, Charlotte, NC 28208 USA
EMERGENCY PHONE:	**TOLL-FREE in USA/Canada** 1-800-424-9300 Chemtrec
BUSINESS PHONE:	1-704-496-6800 (Product Information)
BUSINESS FAX:	1-704-496-6810
WEB SITE:	www.pavco.com
DATE OF CURRENT REVISION:	June 3, 2015
DATE OF LAST REVISION:	October 23, 2013

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a colorless liquid with no odor.

Health Hazards: Prolonged or repeated exposure to this product may cause skin irritation. Contact with eyes may cause severe irritation. Ingestion may cause gastrointestinal discomfort. Inhalation of vapor or mist may cause respiratory irritation.

Flammability Hazards: This product is Non-Flammable with a flash point greater than 200°F

Reactivity Hazards: Slightly reactive

Environmental Hazards: No data available on this product and its effects on aquatic life if released into the environment. However, release of this product is not expected to have adverse long lasting environmental effects.

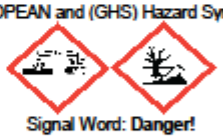
Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

Non Regulated Material

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Danger!**

CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex VI

EC# 231-791-2 This substance is not classified in the Annex VI of Directive 67/548/EEC

EC# 231-853-9 Annex VI Index# 047-001-00-2

EC# 231-639-5 Annex VI Index# 016-020-00-8

Substances not listed either individually or in group entries must be self classified.

GHS Hazard Classification(s):

Acute Oral Toxicity Category 4
Skin Corrosive Category 1B
Acute Aquatic Toxicity Category 1
Chronic Aquatic Toxicity category 3

Hazard Statement(s):

H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H400: Very toxic to aquatic life

Precautionary Statement(s):

P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection