

# SAFETY DATA SHEET

Issue Date 24-Apr-2015 Revision Date 02-Sep-2022 Version 1

## 1. IDENTIFICATION

Product identifier

Product Name Brake Bonder 362

Other means of identification

Product Code MS-362 UN/ID no. UN1133 Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Adhesives.
Uses advised against None known

Details of the supplier of the safety data sheet

Manufacturer Address Hernon Manufacturing Inc. 121 Tech Drive Sanford, FL 32771 800-527-0004

Emergency telephone number

Company Phone Number 407-322-4000

Emergency Telephone Chemtel 800-255-3924

## 2. HAZARDS IDENTIFICATION

## Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 2

## Label elements

### **Emergency Overview**

## Danger

#### Hazard statements

Harmful if swallowed

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Suspected of causing genetic defects

Suspected of causing cancer

May cause respiratory irritation

**Odor** Solvent

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

Highly flammable liquid and vapor



#### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves/protective clothing/eye protection/face protection

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Use explosion-proof electrical/ventilating/lighting/equipment

Keep cool

#### **Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Do NOT induce vomiting

In case of fire: Use CO2, dry chemical, or foam for extinction

#### **Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

## Hazards not otherwise classified (HNOC)

Not applicable

#### Other Information

May be harmful in contact with skin.

Very toxic to aquatic life with long lasting effects

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Methyl ethyl ketone	78-93-3	30 - 60	*
ISOPROPYL ALCOHOL	67-63-0	10 - 30	*
o-Cresol	95-48-7	3 - 7	*
CARBON BLACK	1333-86-4	1 - 5	*
Phenol	108-95-2	1 - 5	*
Formaldehyde	50-00-0	0.1 - 1	*

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

#### **Description of first aid measures**

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash with soap and water. Flush skin with water for several minutes. Remove

contaminated clothing and shoes. If irritation develops, seek medical attention.

**Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give

artificial respiration. Get medical attention immediately.

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a

POISON CENTER or doctor/physician if you feel unwell.

## Most important symptoms and effects, both acute and delayed

**Symptoms** Eye irritation. Skin irritation. Respiratory irritation.

### Indication of any immediate medical attention and special treatment needed

**Note to physicians**Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use CO2, dry chemical, or foam.

Unsuitable extinguishing media No information available.

#### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

## Explosion data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

MS-362 - Brake Bonder 362 Revision Date 02-Sep-2022

Use personal protective equipment as required. Ensure adequate ventilation, especially in **Personal precautions** 

confined areas.

**Environmental precautions** 

**Environmental precautions** Do not allow into any sewer, on the ground or into any body of water. See section 12 for

additional ecological information.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Eliminate all ignition sources. Dike and contain spill with inert material. (e.g. sand, earth). Methods for cleaning up

> Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal

containers for disposal.

## 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly

after handling. Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static

electricity).

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store between 32°F and 115°F.

Incompatible materials Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Methyl ethyl ketone	STEL: 300 ppm	TWA: 200 ppm	IDLH: 3000 ppm	
78-93-3	TWA: 200 ppm	TWA: 590 mg/m <sup>3</sup>	TWA: 200 ppm	
		(vacated) TWA: 200 ppm	TWA: 590 mg/m <sup>3</sup>	
		(vacated) TWA: 590 mg/m <sup>3</sup>	STEL: 300 ppm	
		(vacated) STEL: 300 ppm	STEL: 885 mg/m <sup>3</sup>	
		(vacated) STEL: 885 mg/m <sup>3</sup>		
ISOPROPYL ALCOHOL	STEL: 400 ppm	TWA: 400 ppm	IDLH: 2000 ppm	
67-63-0	TWA: 200 ppm	TWA: 980 mg/m <sup>3</sup>	TWA: 400 ppm	
		(vacated) TWA: 400 ppm	TWA: 980 mg/m <sup>3</sup>	
		(vacated) TWA: 980 mg/m <sup>3</sup>	STEL: 500 ppm	
		(vacated) STEL: 500 ppm	STEL: 1225 mg/m <sup>3</sup>	
		(vacated) STEL: 1225 mg/m <sup>3</sup>		
o-Cresol	TWA: 20 mg/m <sup>3</sup> inhalable fraction	-	IDLH: 250 ppm	
95-48-7	and vapor		TWA: 2.3 ppm	
	S*		TWA: 10 mg/m <sup>3</sup>	
CARBON BLACK	TWA: 3 mg/m <sup>3</sup> inhalable	TWA: 3.5 mg/m <sup>3</sup>	IDLH: 1750 mg/m <sup>3</sup>	
1333-86-4	particulate matter	(vacated) TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>	
			TWA: 0.1 mg/m³ Carbon black in	
			presence of Polycyclic aromatic	
			hydrocarbons PAH	
Phenol	TWA: 5 ppm	TWA: 5 ppm	IDLH: 250 ppm	
108-95-2	S*	TWA: 19 mg/m <sup>3</sup>	Ceiling: 15.6 ppm 15 min	
		(vacated) TWA: 5 ppm	Ceiling: 60 mg/m <sup>3</sup> 15 min	
		(vacated) TWA: 19 mg/m <sup>3</sup>	TWA: 5 ppm	

		(vacated) S* S*	TWA: 19 mg/m <sup>3</sup>
Formaldehyde 50-00-0	STEL: 0.3 ppm TWA: 0.1 ppm	TWA: 0.75 ppm (vacated) TWA: 3 ppm unless specified in 1910.1048 (vacated) STEL: 10 ppm 30 min unless specified in 1910.1048 STEL: 2 ppm see 29 CFR 1910.1048	IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm

#### **Appropriate engineering controls**

Engineering Controls Showers

Eyewash stations Ventilation systems.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing. Use rubber or plastic gloves.

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state Liquid

Appearance No information available Odor Solvent

Color Black Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH Does not apply
Melting point / freezing point No information available

Boiling point / boiling range > 79 °C / 174 °F
Flash point > -7 °C / 20 °F
Evaporation rate No information available

Flammability (solid, gas)

Flammability Limit in Air

Upper flammability limit: 11.5% (based on solvent)
Lower flammability limit: 1.8% (based on solvent)

Vapor pressureNot applicableVapor densityHeavier than air

Relative density 0.9

Water solubility Soluble in water

Solubility in other solvents No information available **Partition coefficient** No information available **Autoignition temperature** No information available **Decomposition temperature** No information available Kinematic viscosity No information available Dynamic viscosity No information available **Explosive properties** No information available **Oxidizing properties** No information available **Other Information** 

MS-362 - Brake Bonder 362 Revision Date 02-Sep-2022

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Softening pointNo information availableMolecular weightNo information available

VOC Content (%) 574 g/L

DensityNo information availableBulk densityNo information available

## 10. STABILITY AND REACTIVITY

## Reactivity

No data available

## **Chemical stability**

Stable under recommended storage conditions.

## Possibility of Hazardous Reactions

None under normal processing.

#### **Conditions to avoid**

Excessive heat. Storage near to reactive materials.

#### **Incompatible materials**

Strong acids. Strong bases.

## **Hazardous Decomposition Products**

Carbon monoxide. Carbon dioxide (CO2).

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

#### **Product Information**

InhalationNo data available.Eye contactNo data available.Skin contactNo data available.IngestionNo data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone 78-93-3	= 2483 mg/kg (Rat)	= 5000 mg/kg ( Rabbit )	= 11700 ppm (Rat) 4 h
ISOPROPYL ALCOHOL 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> (Rat) 4 h
o-Cresol 95-48-7	= 121 mg/kg (Rat)	= 890 mg/kg ( Rabbit )	> 1220 mg/m³ (Rat) 1 h
CARBON BLACK 1333-86-4	> 15400 mg/kg (Rat)	-	> 4.6 mg/m <sup>3</sup> (Rat) 4 h
Phenol 108-95-2	= 340 mg/kg (Rat)	= 630 mg/kg (Rabbit)	-
Formaldehyde 50-00-0	= 100 mg/kg (Rat)	= 270 mg/kg (Rabbit)	= 0.578 mg/L (Rat) 4 h

#### Information on toxicological effects

**Symptoms** No information available.

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity

- and an				
Chemical Name	ACGIH	IARC	NTP	OSHA

#### MS-362 - Brake Bonder 362

ISOPROPYL ALCOHOL 67-63-0	-	Group 3	-	Х
CARBON BLACK 1333-86-4	A3	Group 2B	-	Х
Phenol 108-95-2	-	Group 3	-	-
Formaldehyde 50-00-0	A1	Group 1	Known	Х

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard
No information available.
No information available.
No information available.

## Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document ...

 ATEmix (oral)
 721.00 mg/kg

 ATEmix (dermal)
 3,063.20 mg/kg mg/l

 ATEmix (inhalation-vapor)
 59.8606 mg/l

# 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Methyl ethyl ketone	-	3130 - 3320: 96 h Pimephales	4025 - 6440: 48 h Daphnia magna
78-93-3		promelas mg/L LC50 flow-through	mg/L EC50 Static
			5091: 48 h Daphnia magna mg/L EC50
			520: 48 h Daphnia magna mg/L
			EC50
ISOPROPYL ALCOHOL	1000: 72 h Desmodesmus	11130: 96 h Pimephales promelas	13299: 48 h Daphnia magna mg/L
67-63-0	subspicatus mg/L EC50	mg/L LC50 static	EC50
	1000: 96 h Desmodesmus	9640: 96 h Pimephales promelas	
	subspicatus mg/L EC50	mg/L LC50 flow-through	
		1400000: 96 h Lepomis macrochirus	
		μg/L LC50	
o-Cresol	65: 96 h Pseudokirchneriella	14.07 - 23.61: 96 h Poecilia	15.8: 48 h Daphnia magna mg/L
95-48-7	subcapitata mg/L EC50	reticulata mg/L LC50 static	EC50 Static
		18.37 - 24.21: 96 h Lepomis	9.5: 48 h Daphnia magna mg/L EC50
		macrochirus mg/L LC50 static 9.72 - 15.92: 96 h Pimephales	EC50
		promelas mg/L LC50 flow-through	
		11.5: 96 h Lepomis macrochirus	
		mg/L LC50	
		24: 96 h Brachydanio rerio mg/L	
		LC50	
		8.4: 96 h Oncorhynchus mykiss	
		mg/L LC50 flow-through	
Phenol	0.0188 - 0.1044: 96 h	11.9 - 25.3: 96 h Lepomis	10.2 - 15.5: 48 h Daphnia magna
108-95-2	Pseudokirchneriella subcapitata	macrochirus mg/L LC50	mg/L EC50
	mg/L EC50 static	flow-through	4.24 - 10.7: 48 h Daphnia magna
	187 - 279: 72 h Desmodesmus	11.9 - 50.5: 96 h Pimephales	mg/L EC50 Static
	subspicatus mg/L EC50 static	promelas mg/L LC50 flow-through	
	46.42: 96 h Pseudokirchneriella	20.5 - 25.6: 96 h Pimephales	
	subcapitata mg/L EC50	promelas mg/L LC50 static	
		23.4 - 36.6: 96 h Oryzias latipes	
		mg/L LC50 static	
		33.9 - 43.3: 96 h Oryzias latipes	
		mg/L LC50 flow-through	
		34.09 - 47.64: 96 h Poecilia	
		reticulata mg/L LC50 static 4.23 - 7.49: 96 h Oncorhynchus	
		mykiss mg/L LC50 semi-static	
		5.0 - 12.0: 96 h Oncorhynchus	
		mykiss mg/L LC50	
		5.449 - 6.789: 96 h Oncorhynchus	
		3.113 0.700. 30 II Onloomynonds	

		mykiss mg/L LC50 flow-through	
		7.5 - 14: 96 h Oncorhynchus mykiss	
		mg/L LC50 static	
		0.00175: 96 h Cyprinus carpio mg/L	
		LC50 semi-static	
		11.5: 96 h Lepomis macrochirus	
		mg/L LC50 semi-static	
		13.5: 96 h Lepomis macrochirus	
		mg/L LC50 static	
		27.8: 96 h Brachydanio rerio mg/L	
		LC50	
		31: 96 h Poecilia reticulata mg/L	
		LC50 semi-static	
		32: 96 h Pimephales promelas mg/L	
		LC50	
Formaldehyde	-	0.032 - 0.226: 96 h Oncorhynchus	11.3 - 18: 48 h Daphnia magna
50-00-0		mykiss mL/L LC50 flow-through	mg/L EC50 Static
		100 - 136: 96 h Oncorhynchus	2: 48 h Daphnia magna mg/L LC50
		mykiss mg/L LC50 static	, ,
		22.6 - 25.7: 96 h Pimephales	
		promelas mg/L LC50 flow-through	
		23.2 - 29.7: 96 h Pimephales	
		promelas mg/L LC50 static	
		1510: 96 h Lepomis macrochirus	
		μg/L LC50 static	
		41: 96 h Brachydanio rerio mg/L	
		LC50 static	

# Persistence and degradability No information available.

## **Bioaccumulation**

Chemical Name	Partition coefficient
Methyl ethyl ketone	0.3
78-93-3	
ISOPROPYL ALCOHOL	0.05
67-63-0	
o-Cresol	1.95
95-48-7	
Phenol	1.5
108-95-2	
Formaldehyde	0.35
50-00-0	

## Other adverse effects

No information available

# 13. DISPOSAL CONSIDERATIONS

## Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl ethyl ketone 78-93-3	U159	Included in waste streams: F005, F039	200.0 mg/L regulatory level	U159
o-Cresol 95-48-7	-	Included in waste stream: F039	200.0 mg/L regulatory level	-
Phenol 108-95-2	U188	Included in waste streams: F039, K001, K022, K087 Included in waste stream: K060	-	U188

Revision Date 02-Sep-2022

		1	•	,
Formaldehyde	U122	Included in waste streams:	-	U122
, , , , , , , , , , , , , , , , , , , ,	•			- · · · - ·
50-00-0		K009, K010, K038, K040,		
		K156, K157		
		100, 100		

Chemical Name	California Hazardous Waste Status	
Methyl ethyl ketone	Toxic mixture of acetone, methyl acetate, and methyl alcohol	
78-93-3	Ignitable mixture of acetone, methyl acetate, and methyl alcohol	
ISOPROPYL ALCOHOL	Toxic	
67-63-0	Ignitable	
Phenol	Toxic	
108-95-2	Corrosive	
Formaldehyde	Toxic	
50-00-0	Ignitable	

## 14. TRANSPORT INFORMATION

DOT

UN/ID no. UN1133 Proper shipping name Adhesives

**Hazard Class Packing Group** Ш

Reportable Quantity (RQ) Methyl ethyl ketone, o-Cresol

**IATA** 

UN/ID no. UN1133 Proper shipping name Adhesives

**Hazard Class** 3 **Packing Group** П **Special Provisions** None

**IMDG** 

UN/ID no. UN1133 Proper shipping name Adhesives

**Hazard Class** 3 **Packing Group** Ш

## 15. REGULATORY INFORMATION

International Inventories

TSCA Complies DSL/NDSL Complies **EINECS/ELINCS** Complies **ENCS** Complies **IECSC** Complies Complies **KECL PICCS** Complies **AICS** Complies

All ingredients are on the inventory or are exempt from listing.

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

# US Federal Regulations

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#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
ISOPROPYL ALCOHOL - 67-63-0	1.0
o-Cresol - 95-48-7	1.0
Phenol - 108-95-2	1.0
Formaldehyde - 50-00-0	0.1

#### SARA 311/312 Hazard Categories

Acute health hazard Chronic Health Hazard Fire hazard Sudden release of pressure hazard Reactive Hazard -

#### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
o-Cresol 95-48-7	-	-	-	Х
Phenol 108-95-2	1000 lb	X	X	Х
Formaldehyde 50-00-0	100 lb	-	-	Х

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Methyl ethyl ketone	5000 lb	-	RQ 5000 lb final RQ
78-93-3			RQ 2270 kg final RQ
o-Cresol	100 lb	100 lb	RQ 100 lb final RQ
95-48-7			RQ 45.4 kg final RQ
Phenol	1000 lb	1000 lb	RQ 1000 lb final RQ
108-95-2			RQ 454 kg final RQ
Formaldehyde	100 lb	100 lb	RQ 100 lb final RQ
50-00-0			RQ 45.4 kg final RQ

## **US State Regulations**

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65	
CARBON BLACK - 1333-86-4	Carcinogen	
Formaldehyde - 50-00-0	Carcinogen	

## U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Methyl ethyl ketone 78-93-3	X	X	X
ISOPROPYL ALCOHOL 67-63-0	Х	X	Х
o-Cresol 95-48-7	Х	X	Х
CARBON BLACK	X	X	X

MS-362 - Brake Bonder 362 Revision Date 02-Sep-2022

1333-86-4			
Phenol	X	X	X
108-95-2			
Formaldehyde	X	X	X
50-00-0			

#### **U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA Health hazards - Flammability - Instability - Physical and Chemical

Properties -

Health hazards - Flammability - Physical hazards - Personal protection -

Prepared By SDS coordinator Issue Date 24-Apr-2015 Revision Date 02-Sep-2022

Revision Note No information available

#### **Disclaimer**

The information provided in this Material 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 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.

**End of Safety Data Sheet**