



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION**Product Identifier****Product Name**

Maskote Zinc Stop-Off™

Product Code

2167

Safety Data Sheet Supplier Information:**Manufacturer**

ZYP Coatings, Inc.

120 Valley Court

Oak Ridge, TN 37830

www.zypcoatings.com

Telephone (General)

(865) 482-5717 8:30 AM - 5:00 PM EST.

Emergency Telephone Number

(800) 255-3924 – ChemTel

(813) 248-0585 Outside of US – Call Collect

2. HAZARDS IDENTIFICATION**GHS CLASSIFICATION:****SIGNAL WORD**

Danger

**SYMBOL(S)****PRIMARY ROUTES OF EXPOSURE**

Inhalation, Contact to eyes and skin.

HAZARD STATEMENTS

Flammable	Category 1	H224	Extremely flammable liquid and vapor.
Aspiration hazard	Category 1	H304	May be fatal if swallowed and enters airways
Eye irritation	Category 2B	H320	Causes eye irritation.
STOT:SE	Category 3	H335	May cause respiratory irritation.
STOT:SE	Category 5	H336	May cause drowsiness or dizziness.
Reproductive toxicity	Category 2	H361	Suspected of damaging the fertility of the unborn child.
STOT:RE	Category 2	H373	May cause damage to organs through prolonged or repeated exposure.



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PRECAUTIONARY STATEMENT(S)

P210	Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground / Bond container and receiving equipment.
P241	Use explosion-proof electrical / ventilating / lighting / equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves / eye protection / face protection.
P261	Avoid breathing dust / fume / gas / mist / vapors / spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well ventilated area.
P303 + P361 + P353	IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor / physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice / attention.
P370 + P378	In case of fire: Use the appropriate medium for extinction.
P403 + P235	Store in a well-ventilated place. Keep cool.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.

Health 2
Fire 3
Reactivity 0



3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Hazard Components		Wt.%
	Identifiers		
Naphtha	CAS No.	8030-30-6	20-25
Toluene	CAS No.	108-88-3	5-10
Methyl Ethyl Ketone	CAS No.	78-93-3	45-55
Resins	CAS No.	N/A	10-20

4. FIRST AID MEASURES

EYES	Flush eyes, including under the eyelids, with large amounts of water. If irritation persists, seek medical attention.
SKIN	Wash thoroughly with mild soap and water.
INGESTION	In the event of swallowing, drink 1 to 2 glasses of water to dilute. Do not induce vomiting. Consult physician immediately.



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INHALATION Remove to fresh air. Seek medical attention if symptoms persist. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Water spray or fog, dry chemical, carbon dioxide.
Flammability Classification	Extremely flammable.
Special Hazards Arising from the Chemical	None known.
Hazardous Combustion Products	Oxides of carbon.
Specific Protective Equipment and Precautions (Firefighters)	As in any fire, wear self-contained breathing apparatus (SCBA), NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Clean-up personnel should wear protective gloves and goggles to prevent possible irritation from prolonged contact. In case of spill or rupture, avoid breathing vapors and ventilate the area well. Remove all sources of ignition and use non-sparking equipment. Soak material up with inert absorbents. Allow absorbents to dry and dispose in accordance with local/regional/national/international regulations.
Environmental Precautions Methods and Materials For Containment and Cleaning Up	Do not allow product to reach sewage system or any water course. No special measures are required; refer to environmental and personal precautions, and other sections of this document.

7. HANDLING AND STORAGE

SAFE HANDLING PRECAUTIONS	Store in original container, keep container tightly sealed. Cap after each use. Practice good housekeeping. Personnel should wear the appropriate equipment when handling the paint in order to minimize contact/exposure.
SAFE STORAGE PRECAUTIONS	Do not store in heat over 49° C (120° F). Do not spray into open flame or hot surfaces. High temperatures may cause bursting. Keep out of reach of children. For warehouse storage, pallets and cases should be placed to avoid damage or rupture from material handling equipment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits/Guidelines

Engineering Measures/Controls	Provide adequate ventilation to control dust or vapors below the regulated exposure limits (PEL and TLV).
Personal Protective Equipment	Protective clothing should be selected specifically for the workplace, depending on the concentration and quality of the hazardous substances



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Respiratory

handled. The chemical resistance of the protective gear should be inquired from the respective supplier.

Eye/Face

An appropriate NIOSH-approved respirator must be worn if exposure is likely to exceed the lowest TLV/PEL rated regulations.

Hands

Safety goggles or side-shielded safety glasses are recommended for any type of industrial handling.

Skin/Body

Use impervious gloves.

Normal work clothing. Note that long sleeved shirts, long pants and gloves are recommended.

Exposure Guidelines

Naphtha

Guideline ACGIH (TLV): 300 ppm

Guideline OSHA (PEL): 500 ppm

Toluene

Guideline ACGIH (TLV): 50 ppm

Guideline OSHA (PEL): 200 ppm

Methyl Ethyl Ketone

Guideline ACGIH (TLV): 200 ppm

Guideline OSHA (PEL): 200 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Odor	Solvent
Color	Yellow-Orange	Vapor Pressure	Not determined
Specific Gravity	0.9	Vapor Density	Not determined
pH	n. ap.	Solubility in Water	Nil
Viscosity	1100-1500 cps	Freezing Point	Not determined
Melting Point	Not determined	Boiling Point	Not determined
VOC Content	700 g/L	Percent Volatile	60% - 70%
Molecular Weight	n. ap.	Flash Point	≤ -4° C (≤ 25° F)
Evaporation Rate	Rapid	Flash Point Method	Closed Cup

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Incompatible Materials	Strong oxidizing agents, acids, and bases.
Conditions To Avoid	Heat, sparks, flames, and red hot metal.
Hazardous Decomposition Products	Will not occur.

11. TOXICOLOGICAL INFORMATION

Route(s) Of Entry/Exposure	Note all values are calculated in accordance with OSHA 29 C.F.R. § 1910 for mixtures.
Ingestion	LD ₅₀ Oral - rat: 2705 mg/kg
Skin Absorption	LD ₅₀ Dermal - rat: 3626 mg/kg
Inhalation	LC ₅₀ Inhalation - rat (per 4 hours): 30.33 mg/L
Eye Contact	Redness, burning, tearing, or swelling.



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Skin Contact	Prolonged/repeated contact with skin may cause redness, irritation, burning, drying, or cracking.
Effects of Acute Exposure	See section above for eye contact, skin contact, ingestion, and inhalation.
Effects of Chronic Exposure	CAUTION! Exposure to dust may be irritating to eyes, nose and throat. May cause damage to organs through prolonged or repeated exposure.
Exposure Limits	
NTP	No ingredient of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed carcinogen by NTP.
IARC	No ingredient of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed carcinogen by OSHA.
ACGIH	No ingredient of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed carcinogen by ACGIH.
OSHA	No ingredient of this product is present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed carcinogen by OSHA.
Reproductive Effects	Suspected of damaging the unborn child. Suspected human reproductive toxicant – no data available.
Further Information	Quantitative data on this product is not available. No toxic effects are to be expected when this product is handled appropriately.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Data is lacking and inconclusive for this product.
Persistence/Degradability	Data is lacking and inconclusive for this product.
Bio Accumulative Potential	Data is lacking and inconclusive for this product.
Mobility in Soil	Data is lacking and inconclusive for this product.
Other Adverse Effects	Data is lacking and inconclusive for this product.

13. DISPOSAL CONSIDERATIONS

Description of Waste	No data.
Methods of Disposal	Consult local/regional/national/international regulations for compliance. The liquid nature of this product may restrict disposal options. Non-contaminated paint may be returned to the manufacturer for proper disposal. The dried paint generally does not exhibit any characteristics of a hazardous waste.

14. TRANSPORT INFORMATION

UN Number



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DOT, IMDG, IATA	UN1263
Proper Shipping Name	Paint
DOT, IMDG, IATA	DOT – Regulated 3
Hazard Class(es)	ICAO/IATA –
DOT, IMDG, IATA	Dangerous hazardous goods restricted for transport by air. 3
	IMDG – Regulated 3
Packaging Group	DOT – Regulated II
DOT, IMDG, IATA	ICAO/IATA –
	Dangerous hazardous goods restricted for transport by air. PGII
	IMDG – Regulated PGII
Environmental Hazards	
DOT, IMDG, IATA	n. ap.
Special Precautions	
DOT, IMDG, IATA	n. ap.

15. OTHER REGULATORY INFORMATION

Hazardous Substance	Component	CAS No
SARA 302	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3
SARA 313	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3
SARA 311/312	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3
CERCLA	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3
CERCLA – Hazardous Substance	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3
Clean Water Act Section 311	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3
OSHA	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3
WHIMIS	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3
Massachusetts Right to Know	Naptha	8030-30-6
	Toluene	108-88-3
	Methyl Ethyl Ketone	78-93-3



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Pennsylvania Right to Know

Naptha 8030-30-6
Toluene 108-88-3

New Jersey Right to Know

Methyl Ethyl Ketone 78-93-3
Naptha 8030-30-6
Toluene 108-88-3

California Proposition 65 Warnings



TSCA Inventory

All substances contained in this product are listed in the Toxic Substances Control Act Chemical Substance Inventory.

HMIS (USA)

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	E

NFPA (USA)



Health
Flammability
Reactivity
Specific Hazard

Protective Equipment



16. OTHER INFORMATION

SDS Number: 2167
SDS Revision Number: 2.1.0
SDS Preparation or Revision Date: August 16, 2018
SDS Prepared By: C. Holcombe
Date Printed: August 16, 2018
Telephone Number: 865-482-5717
Abbreviations

Not Available	n. av.
Not Applicable	n. ap.
DOT	US Department of Transportation
IATA	International Air Transportation Association
IMDG	International Maritime Code for Dangerous Goods
ICAO	International Civilian Aviation Organization
GHS	Globally Harmonized System of Classification and Labeling of Chemicals



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CAS	Chemical Abstract Service
HMIS	Hazardous Materials Identification System (US)
NFPA	National Fire Protection Association (US)
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
STOT	Specific Target Organ Toxicity
RQ	Reportable Quantity
TPQ	Threshold Planning Quantity
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
SARA	Superfund Amendments and Reauthorization Act
TSCA	Toxic Substances Control Act
RTK	Right to Know
EPCRA	Emergency Planning and Community Right to Know Act
TLV	Threshold Limit Values
PEL	Permissible Exposure Limits

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