

SAFETY DATA SHEET

High Temperature Exhaust Paint

Part No. 10020Z

May 19, 2015

Revision 1

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SECTION 1 - IDENTIFICATION

Product Identifier

Product Number(s) 10020Z
 Product Name High Temperature Exhaust Paint 10020Z

Other Means of Identification None

Recommended Use and Restrictions on Use

Recommended Use Exhaust Paint
 Restrictions on Use None Identified

**24 hr Emergency
 Phone Number**
**800-424-9300
 (Chemtrec)**
SUPPLIER DETAILS

Name The Eastwood Company
 Address 263 Shoemaker Road
 Pottstown PA 19464
 Phone Number 610 323 2200
 Fax Number 610 323 6268

SECTION 2 - IDENTIFICATION

Hazard Classification

HEALTH HAZARDS				PHYSICAL HAZARDS			
Acute Tox. Oral	☐	Mutagenicity	☐	Unstable Explosive	☐	Refrigerated Liq. Gas	☐
Acute Tox. Skin	☐	Carcinogenicity	☐	Explosive	☐	Flammable Liquid	☐
Acute Tox. Inhalation	☐	Tox. to Reproduction	2	Flammable Gas	☐	Flammable Solid	☐
Skin Irritation	☐	STOT SE	☐	Aerosol	1	Self Reactive Sub.	☐
Eye Irritation	☐	STOT RE	2	Oxidizing Gas	☐	Pyrophoric Liquid	☐
Resp. Sensitization	☐	Aspiration Hazard	1	Gas Under Pressure	X	Self Heating Substance	☐
Skin Sensitization	☐		☐	ENVIRONMENTAL HAZARDS (GHS Rev 3 Only)			
	☐		☐	Aquatic Acute	☐	Aquatic Chronic	☐
	☐		☐			Ozone Depleting	☐

Signal Word

Danger

Hazard Pictograms

Hazard Statements

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements
General

Keep out of reach of children.

Prevention

Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Use personal protective equipment as required.

Response

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell.

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Storage	Store in a well ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
Disposal	Dispose of contents/container in accordance with local regulations.
Hazards Not Otherwise Classified	None identified.
Unknown Acute Toxicity	21 % by wt

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	% WT RANGE*
1	VM & P Naphtha	0064742 89 8	15 40
2	Liquefied Petroleum Gas	0068476 86 8	15 40
3	Stoddard Solvent	0008052 41 3	10 30
4	Toluene	0000108 88 3	1 5

* Exact percentages of composition withheld as trade secret

SECTION 4 - FIRST AID MEASURES

Description of First Aid Measures

General	If exposed or concerned seek medical advice/attention.
Eye Contact	Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.
Skin Contact	Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.
Ingestion	Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.
First Aid Responder Protection	Wear adequate personal protective equipment based on the nature and severity of the emergency.

Most Important Symptoms and Effects, Both Acute and Delayed

Eye Contact	Liquid contact may cause pain along with moderate eye irritation.
Skin Contact	Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.
Ingestion	Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.
Inhalation	Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnea are also possible.

Indication of Immediate Medical Attention and Special Treatment

Notes to Physician	Stoddard Solvent sensitizes the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmia in individuals exposed. Use of sympathomimetic drugs should be avoided. If ingested, the material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left later lateral decubitus position.
Specific Treatments/Antidotes	No information available.
Immediate Medical Attention	No information available.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media	Water, CO2, dry chemical, or universal aqueous film forming foam
Unsuitable Extinguishing Media	Water jet

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Specific Hazards Arising from the Chemical or Mixture

Decomposition Products	<i>Oxides of carbon (CO, CO₂), smoke, and/or vapors</i>
Hazards from the Product	<i>CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. In a fire or if heated, a pressure increase will occur which may result in the container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.</i>

Advice for Firefighters

Protective Actions	<i>Use water spray to cool fire exposed containers as contents may rupture violently from heat developed pressure.</i>
Protective Equipment	<i>As with any fire wear SCBA pressure demand, MSHA/NIOSH approved, and full protective gear.</i>

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For Non Emergency Personnel	<i>No action should be taken by non emergency personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.</i>
For Emergency Responders	<i>Use personal protection as recommended in Section 8. Observe precautions provided for non emergency personnel.</i>

Environmental Precautions

Precautions	<i>Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.</i>
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Methods and Materials for Containment and Cleaning Up

Containment Procedures	<i>Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.</i>
Cleanup Procedures	<i>Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.</i>
Other Information	<i>Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.</i>
Prohibited Materials	<i>Combustible absorbent material such as sawdust, use of equipment that may cause sparking.</i>

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

General Handling Precautions	<i>KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross ventilation. Wash hands after use.</i>
Hygiene Recommendations	<i>Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.</i>

Conditions for Safe Storage Including Any Incompatibilities

Storage Requirements	<i>Storage of individual cans should be done in an area below 50 °C (122 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.</i>
Incompatibilities	<i>Segregate storage away from materials indicated in Section 10</i>

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

ID	PEL	OSHA STEL	CEILING	IDLH	REL	NIOSH STEL	CEILING	TLV	ACGIH STEL	CEILING	AIHA WEEL
2	1000 ppm			2000 ppm	1000 ppm			1000 ppm			
3	500 ppm			20000 mg/m3	350 mg/m3		1800 mg/m3	100 ppm			
4	200 ppm		300 ppm	500 ppm	100 ppm	150 ppm		50 ppm			

Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
4	O Cresol in urine	End of shift	0.5 mg/L	B

Other Control Parameters Not Available

Appropriate Engineering Control

Engineering Measures

Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

Individual Protection Measures

Hygiene Considerations

Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.

Thermal Protection

This product does not present a thermal hazard.

Respiratory Protection

An approved respirator with organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.

Skin Protection

For brief contact, no precautions other than clean body covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

Eye/Face Protection

Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

Other Protective Equipment Safety showers and eye wash stations should be available in the workplace near where the material will be used.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Boiling Point	> 86.0 °C (186.8 °F)	Melting / Freezing Point	> 73.0 °C (99.4 °F)
Flash Point, Liquid	> 13.9 °C (57.0 °F)	Flash Point, Propellant	104.4 °C (156.0 °F)
Explosive Limits	0.70% 12.60%	Autoignition Temperature, Liquid	232.0 °C (449.6 °F)
Flammability	Extremely Flammable Aerosol	Relative Density (H2O = 1)	0.756 g/cc
Molecular Weight	Not Available	Weight	6.313 lbs/gal
Vapor Pressure	70.00 psig	pH	Not Available
Vapor Density	3.800 g/cc Maximum	Evaporation Rate	Not Available
Form	Pressurized Product	Partition Coefficient	Not Available
Viscosity	Not Available	Refractive Index	Not Available
Odor Threshold	Not Available	Heat of Combustion (ΔHc)	Not Available
Odor	Paint like	Water Solubility	Not Available
Appearance / Color	Silver Coating	Decomposition Temperature	Not Available

Air Quality Properties

Percent Volatile	79% Wt (90% Vol) Max	VOC Regulatory	4.988 lbs/gal (597.579 g/L)
Percent VOC	79% Wt (90% Vol) Max	VOC Actual	4.988 lbs/gal (597.579 g/L)

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Percent HAP	3% Wt (3% Vol) Max	HAP Content	0.19 lbs/gal (22.693 g/L)
Solids/Non Volatile Content	21% Wt (11% Vol) Max	Maximum Incremental Reactivity	1.182 g O3/g
Global Warming Potential	2.481		

SECTION 10 - STABILITY AND REACTIVITY

<u>Reactivity</u>	No specific test data related to reactivity is available for this product or its ingredients.
<u>Chemical Stability</u>	This product is stable.
<u>Hazardous Reactions</u>	Under normal conditions of storage and use, hazardous reactions are not expected to occur.
<u>Conditions to Avoid</u>	Keep away from heat, sparks, flame, and red hot metal.
<u>Material Incompatibility</u>	Acids, Alkalis, Chlorine Dioxide, Nitrogen Tetroxide, Silver Perchlorate, Strong Oxidizing Agents, Sulfur Dichloride, Tetranitromethane, Uranium Hexafluoride
<u>Decomposition Productions</u>	Oxides of Carbon may be formed depending on fire conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates (mixture)

Oral LD ₅₀	4227 mg/kg
Dermal LD ₅₀	3770 mg/kg
Inhalation LC ₅₀	262 mg/L 4 hour

Acute Toxicity on Ingredients

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	>8000 mg/kg	rat	>4000 mg/kg		3400 ppm	4h	rat
2					658 mg/L	4h	rat
3	>5000 mg/kg	rat	>3000 mg/kg	rabbit	>5500 mg/m3	4h	rat
4	636 mg/kg	rat	>12000 mg/kg	rabbit	49 mg/m3	4h	rat

Health Hazard Classification

Skin Corrosion / Irritation	Classification criteria not met
Eye Damage / Irritation	Classification criteria not met
Respiratory Irritation	Classification criteria not met
Respiratory / Skin Sensitization	Classification criteria not met
Germ Cell Mutagenicity	Classification criteria not met
Reproductive Toxicity	Category 2
STOT Single Exposure	Classification criteria not met
STOT Repeated Exposure	Category 2
Aspiration Hazard	Category 1
Carcinogen Data	

ID	Calif Prop-65	OSHA	NIOSH	ACGIH	NTP	IARC
	No	No	No	No	No	No

Information on the Likely Routes of Exposure

Routes of Exposure	Skin contact, skin absorption, eye contact, inhalation
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Information on Physical, Chemical and Toxicological Effects

Symptoms of Exposure	Asphyxia, Central Nervous System Depression, Chemical Pneumonitis, Dermatitis, Dizziness, Drowsiness, Throat Irritation, Upper Respiratory System Irritation
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Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure

Delayed Effects	No known delayed effects.
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Immediate Effects

No known immediate effects.

Chronic Effects

Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by concentrating and inhaling this product may be harmful or fatal. Reports of chronic poisoning from Toluene describe anemia, decreased blood cell count and bone marrow hypoplasia. Liver and kidney damage may occur. Exposure may affect a developing fetus. Stoddard Solvent when ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

Medical Conditions Aggravated

May aggravate personnel with pre existing disorders associated with any of the Target Organs.

Target Organs

Bladder, Central Nervous System, Eyes, Kidneys, Liver, Respiratory System, Skin

SECTION 12 - ECOLOGICAL INFORMATION

Acute Aquatic Toxicity

ID	TYPE	FISH VALUE	PERIOD	TYPE	INVERTEBRATES VALUE	PERIOD	TYPE	AQUATIC PLANTS VALUE	PERIOD	TYPE	MICROORGANISMS VALUE	PERIOD
4	LC50	13 mg/L	96h	EC50	11.5 mg/L	48h	EC50	>250 mg/L	24h	ECO	29 mg/L	16h

Ecological Data

ID	PERSISTENCE	PERSISTENCE AND DEGRADABILITY BOD	ThOD	BIOACCUMULATIVE POTENTIAL Pow / Kow	BCF	MOBILITY Koc
1	95% / 28 days			2.21 log Pow		
3				3.16 log Kow		
4	86% / 28 days	2.15 mg/g	2.52 mg/g	3.13 mg/g	2.65 Pow	1.57 log BCF
						2.15 Log Koc

Other Adverse Effects

No additional information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal

Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

Waste Disposal of Packaging

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

Landfill Precautions

Not available

Incineration Precautions

** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **

SECTION 14 - TRANSPORTATION INFORMATION

Transportation Information

UN Number

Proper Shipping Name

Hazard Class(es)

Packaging Group

Marine Pollutant

Hazard Label(s)

Ground Transportation (DOT)

UN1950

Aerosols, Limited Quantity

2.1

No



Air Transportation (IATA)

UN1950

Aerosols, Flammable, Limited Quantity

2.1

No



Ocean Transportation (IMDG)

UN1950

Aerosols, Limited Quantity

2.1

No



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SECTION 15 - REGULATORY INFORMATION

Federal Regulations

ID	TSCA LISTED	SARA 302 EHS TPQ	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	SARA 311/312 ACUTE	CHRONIC	PRESSURE	CLEAN AIR ACT HAP	CLEAN AIR ACT SOCM1	CLEAN WATER ACT
1	Yes							Yes					
2	Yes					Yes							
3	Yes							Yes					
4	Yes		U220	1000	3%	Yes		Yes	Yes		Yes	Yes	1000 (PP)

State Regulations

ID	CA P-65	DE RQ	MA RTK CODES	ME TYPE	ME RQ	RTK	MN AIR	WATER	NJ RTK	AIR	NY LAND	ACUTE	PA LISTED	WA PEL TWA	WI TABLE	WV TAP
3			2,4			ANO							Yes	100 ppm	A	
4	DF	1000	2,4,5,6 F7 F8 F9		2000	ANO	Yes	Yes	Yes	1000	1		Yes E	100 ppm	A	

SECTION 16 - OTHER INFORMATION

SDS Revision History

Revision 1, 05/19/2015, Original in GHS Version 3 Format.

SDS Compliance

This SDS complies with the below listed regulations only. For SDS that comply with other countries, please contact our Regulatory Department at msds@chem-pak.com

OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200

Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3

Disclaimer of Liability

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