Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Name: Yellow Baked Primer Product Code: P-700APHS

MANUFACTURER : Heresite Protective Coatings, LLC
822 S. 14th Street
Manitowoc, WI 54220

TELEPHONE NUMBER: 1 (920) 684-6646
FAX NUMBER: 1 (920) 684-0110

EMERGENCY PHONE: CHEMTREC
1 (800) 424-9300

E-MAIL ADDRESS OF PERSON RESPONSIBLE:
peter@heresite.com

Product Use: Industrial and Commercial Coatings, primary application to metal.
Not recommended for: Any other application

SECTION 2: HAZARDS IDENTIFICATION

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1A	Based on human evidence
Aquatic toxicity	C1	Acute toxicity <= 1.00 mg/l and lack of rapid degradability and log Kow >= 4 unless BCF < 500

Signal Word: Danger

GHS Hazards

H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H410	Very toxic to aquatic life with long lasting effects

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
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/light/equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P330	Rinse mouth
P391	Collect spillage
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	If exposed or concerned: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P370+P378	In case of fire: Use CO2, dry chemical, or foam for extinction.
P405	Store locked up
P403+P235	Store in a well-ventilated place. Keep cool
P501	Dispose of contents/container to in accordance with local/regional/national/international regulations.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Acetone	67-64-1	80.00% - 90.00%
Phenolic resin	9003-35-4	1.00% - 5.00%
Polyvinyl Butyral	27360-07-2	1.00% - 5.00%
Yellow Iron Oxide	51274-00-1	1.00% - 5.00%
Glycol Ether DPM	34590-94-8	1.00% - 5.00%
Ethanol	64-17-5	0.10% - 1.00%

SECTION 4 - FIRST AID MEASURES

General Advice

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen if a qualified operator is available. Get medical attention.

Eye Contact

Immediately flush eyes with large amounts of water for at least 20 minutes, while holding eyelids open. Obtain medical attention immediately, as a precaution.

Skin Contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion
If person is conscious, give them several glasses of water to drink. Do NOT induce vomiting unless directed to do so by medical personnel. Obtain immediate medical attention.

Most important symptoms and effects, both acute and delayed
No information available

Indication of any immediate medical attention and special treatment needed
Consult a physician

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media
Suitable extinguishing media
Carbon Dioxide, Dry Chemical, Foam

Unsuitable extinguishing media
None identified

Special hazards arising from the substance or mixture
None identified

Advice for firefighters
No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Wear protective equipment. Keep unprotected persons away.
Keep people at a distance and stay on the windward side.
Ensure adequate ventilation.
Keep away from ignition sources.

Environmental precautions:
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
Prevent from spreading (e.g. by damning-in or oil barriers).
Keep dirty washing solution for appropriate disposal.

Methods and material for containment and cleaning up:
Ensure adequate ventilation and proper training.
Absorb with liquid-binding non combustible material (e.g. sand).
Clean the accident area carefully.
Send for recovery or disposal in suitable containers.

Reference to other sections:
See Section 2, 7, 8 and 13

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:
See Section 2

Conditions for safe storage:
Store in a well-ventilated place.
Keep cool.
Store with only compatible materials.

Specific end uses(s):
See Section 1

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Acetone 67-64-1	1000 ppm TWA; 2400 mg/m3 TWA	500 ppm STEL 250 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m3 TWA
Phenolic resin 9003-35-4	Not Established	Not Established	Not Established
Polyvinyl Butyral 27360-07-2	Not Established	Not Established	ST ESL 50 ug/m3 AN ESL 5 ug/m3
Yellow Iron Oxide 51274-00-1	STEL 10ppm	TLV 5mg/m3	Not Established
Glycol Ether DPM 34590-94-8	100 ppm TWA; 600 mg/m3 TWA	150 ppm STEL 100 ppm TWA	NIOSH: 100 ppm TWA; 600 mg/m3 TWA 150 ppm STEL; 900 mg/m3 STEL
Ethanol 64-17-5	1000 ppm TWA; 1900 mg/m3 TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA

Additional information about design of technical systems:
Engineering controls should be used as a primary means to control exposures.
Make available emergency shower and eye wash at the workplace according to appropriate standards.
A workplace risk assessment must be carried out in order to determine the corrective engineering control and organizational measures and personal protective equipment.
No further data; see Section 7.

Exposure controls

Appropriate engineering controls:
No data available

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Take off immediately all contaminated clothing.
Launder work clothing regularly.
Wash hands before breaks and at the end of the work.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
Do not eat, drink or smoke while working to limit potential ingestion of chemicals.

Personal Protective Equipment

Eye and Face Protection:
Wear eye protection/face protection.

Skin Protection:
Wear protective gloves/protective clothing.

Hand Protection:
The glove material has to be impermeable and resistant to the product.
Due to missing tests no recommendation to the glove material can be given for the product.
Selection of the glove material on consideration of the pnetration times, rates of diffusion and the degradation .

Respiratory Protection:
Engineering controls should be used as primary means to control exposures. Local exhaust ventilation is required unless used in a closed system. For laboratory use, handle in a lab fume hood.
If the applicable Occupational Exposure Level (OEL) is exceeded, wear a NIOSH certified respiratory protection equipment meeting US requirements (1910.134 Occupational Safety and Health Administration, Personal Protective Equipment, Respiratory Protection) with a protection factor sufficient to control exposures to below the OEL .

Environmental Exposure Controls:
See Section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	No Data Found	**Odor:**	No Data Found
Vapor Pressure:	168.8 mmHg	**Odor threshold:**	No Data Found
Vapor Density:	2.0	**pH:**	No Data Found
Specific Gravity	0.84	**Melting point:**	No Data Found
Freezing point:	No Data Found	**Solubility:**	No Data Found
Boiling range:	No Data Found	**Flash point:**	-4 F,-20 C
Evaporation rate:	No Data Found	**Flammability:**	No Data Found
Explosive Limits:	No Data Found	**Partition coefficient (n-octanol/water):**	No Data Found
Autoignition temperature:	No Data Found	**Decomposition temperature:**	No Data Found
Viscosity:	No Data Found	**Grams VOC less water:**	No Data Found

SECTION 10: STABILITY AND REACTIVITY

Reactivity:
No known hazards with respect to reactivity when handled and stored according to provisions.

Chemical Stability:
Stable under recommended storage and handling conditions.

Thermal decomposition / conditions to avoid:
Avoid exposure to heat, sources of ignition, and open flame . No decomposition if used according to specifications.

Possibility of hazardous reactions:
No data available.

Conditions to avoid:
High Temperatures.
Heat, flames and sparks.
See section 2.

Incompatible materials:
No further information available.

Hazardous decomposition products:
In case of fire: Carbon Dioxide, Carbon Monoxide, Hydrocarbons

SECTION 11: TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 180mg/kg
Inhalation Toxicity LC50: 57mg/L

Component Toxicity

34590-94-8 Glycol Ether DPM
Inhalation LC50: 3 mg/L (rat)

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Routes of Entry:

Ingestion

Exposure to this material may affect the following organs:

Blood Eyes Liver Central Nervous System Reproductive System Skin Respiratory System

Effects of Overexposure

May be harmful if inhaled. Causes respiratory tract irritation..

May be harmful if absorbed through skin. Causes skin irritation.

Irritating to eyes.

May be harmful if swallowed

CAS Number	Description	% Weight	Carcinogen Rating
64-17-5	Ethanol	.1 to 1.0%	Ethanol: IARC: Human carcinogen OSHA: listed

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:
No ecotoxicological data for the substance itself are available.

Persistence and degradability:
No further relevant information available.

Bioaccumulative potential:
No further relevant information available.

Mobility in soil:
No further relevant information available

Results of PBT and VPvB assessment:
No data available

Other adverse effects:
No further relevant information available.

Component Ecotoxicity

Acetone	96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales promelas: 6210 - 8120 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L 48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 - 12700 mg/L
Glycol Ether DPM	96 Hr LC50 Pimephales promelas: >10000 mg/L [static] 48 Hr LC50 Daphnia magna: 1919 mg/L
Ethanol	96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through] 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:
Waste material must be disposed of I/A/W Federal, State & Local environmental control regulations . Incineration is a recommended technology. Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Do not heat/cut empty container with electric or gas torch.

SECTION 14: TRANSPORT INFORMATION

Environmental hazards:
No information available

Special precautions for users:
No information available.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not required, not intended to be carried in bulk tankers.

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
IATA	Paint	1263	II	3
IMDG	Paint	1263	II	3
USDOT	Paint	1263	II	3

SECTION 15: REGULATORY INFORMATION

Classification:
Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

64-17-5 Ethanol 0.1 to 1.0 %

Clean Air Act

64-17-5 Ethanol 0.1 to 1.0 %
67-64-1 Acetone 80 to 90 %

SARA Section 302

67-64-1

SARA 311/312

64-17-5 Fire Hazard, Chronic Health Hazard, Acute Health Hazard
34590-94-8 Fire Hazard, Chronic Health Hazard
51274-00-1 Delayed health hazard
67-64-1 Fire Hazard, Chronic Health Hazard, Acute Health Hazard

TSCA (Toxic Substance Control Act)

34590-94-8 Glycol Ether DPM 1 to 5 %
67-64-1 Acetone 80 to 90 %

TSCA (Toxic Substance Control Act) 8b

64-17-5 Ethanol 0.1 to 1.0 %
34590-94-8 Glycol Ether DPM 1 to 5 %
51274-00-1 Yellow Iron Oxide 1 to 5 %
27360-07-2 Polyvinyl Butyral 1 to 5 %
9003-35-4 Phenolic resin 1 to 5 %
67-64-1 Acetone 80 to 90 %

Country	Regulation	All Components Listed
USA	New Jersey Right to Know	No
USA	Pennsylvania Right to Know	No
USA	Massachusetts Right to Know	No
AU	Australia inventory	Yes
CA	Canadian Domestic Substances List/Non-Domestic Substa	Yes
EU	European inventory	No
JP	Japan inventory	Yes
CN	China inventory	Yes
Korea	Korean Existing and Evaluated Chemical Substances	Yes
NZ	New Zealand inventory	Yes
PH	Philippine The Toxic Substances and Hazardous and Nucle	Yes
Canada		No

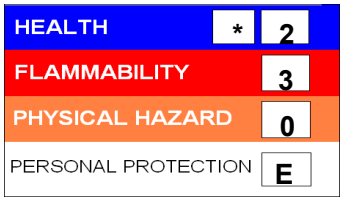
EU Risk Phrases

Safety Phrase

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.

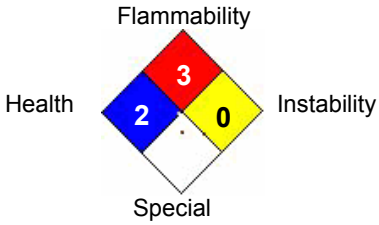
SECTION 16: OTHER INFORMATION

Hazardous Material Information System (HMIS)



HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



DISCLAIMER: The above information pertains to this product as currently formulated, and is based on the

information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Date revised: 2016-10-06

Reviewer Revision 2

Date Prepared: 10/6/2016