

(11229)



Williams-Hayward International Coatings, Inc.

7425 West 59th Street • Summit, Illinois 60501

05/04/15

SAFETY DATA SHEET

Page 1 of 9

[According to OSHA Hazard Communication Standard (HCS) 29 CFR 1910.1200]

SECTION 1. IDENTIFICATION

PRODUCT INFORMATION

PRODUCT NUMBER : 12-14498AGP
 TRADEMARK : HI-RUBBER THREND RAL 7044
 CHEMICAL NAME : ORGANIC COATING
 CHEMICAL FAMILY : WATER EMULSION AIR DRY COATING
 DESCRIPTION : Non-Flammable Water Emulsion Coatings

APPROVED MATERIAL

JUL 22 2015

MSDS # 11229

APPROVED BY Amy RAO

APPLICATION : WATER SOLUBLE PAINT USED IN THE PROCESS OF STEEL
 STRUCTURE PAINTING. FOR PROFESSIONAL USE.

SUPPLIER INFORMATION

MANUFACTURER : Williams-Hayward Protective Coatings, Inc.
 Address : 7425 West 59th Street
 Summit IL 60501 USA
 Telephone : 708-458-0015
 Emergency Phone : 800-424-9300 (CHEMTREC)

SECTION 2. HAZARD(S) IDENTIFICATION

PRODUCT DEFINITION: Mixture

CLASSIFICATION ACCORDING TO WHMIS

Class D: Poisonous and Infectious Materials
 Division 2: Materials causing other toxic effects

GHS CLASSIFICATION

Acute Toxicity (oral, dermal, inhalation), category 4
 Skin Irritation, category 2
 Eye Irritation, category 2
 Skin Sensitization, category 1

LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD : CAUTION

HAZARD STATEMENTS: CONTAINS COMPOUNDS HARMFUL IF SWALLOWED

PRECAUTIONARY STATEMENTS:

FOR PROFESSIONAL USE ONLY
 KEEP OUT OF REACH OF CHILDREN



SECTION 2. HAZARD(S) IDENTIFICATION

PREVENTION : COMBUSTIBLE. Keep away from heat and open flame.
Avoid prolonged contact with skin and breathing of vapor or spray mist.
Use with adequate ventilation.

RESPONSE : Wash thoroughly after handling.
Close container after each use.

DISPOSAL : Dispose of in accordance with all local, regional, national, and
international regulations.

HAZARDOUS INGREDIENTS:
Not applicable

SPECIAL PACKAGING REQUIREMENTS

CONTAINERS TO BE FITTED WITH CHILD-RESISTANT FASTENINGS:

Not applicable

TACTILE WARNING OF DANGER:

Not applicable

OTHER HAZARDS

THREAT TO HUMANS

Adherence to the general work hygiene and safety rules guarantees that the product does not create any threat to human life and health.

THREAT TO THE NATURAL ENVIRONMENT

See Section 12 for environmental threats

OTHER THREATS

Non existent

SECTION 3. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT DESCRIPTION	CAS NUMBER	PERCENT BY WGT	EINECS
WATER (NON-HAZARDOUS)	7732-18-5	31-60	231-791-2
ESTER-ALCOHOL	25265-77-4	1-15	246-771-9
PROPYLENE GLYCOL	57-55-6	1-15	200-338-0

This product is a mixture. Percentages may be shown to protect trade secrets

SECTION 4. FIRST AID MEASURES

GENERAL NOTES

All of the safety notes and recommendations listed on product labeling should be adhered to. The effects of exposure are listed in section 11 of this document.

FIRST-AID INSTRUCTIONS

SKIN CONTACT

Wash with soap and water. An emollient cream or lotion is beneficial. Remove clothing which has come in direct contact with the product. If irritation occurs, call a physician.

EYE CONTACT

Wash with plenty of water for 10 to 15 minutes. Protect the eye which has not been subject to irritation, take out contact lenses. If eye irritation occurs, call an optician.

INHALATION

Remove to fresh air. If not breathing, give artificial respiration.
Have a trained person administer oxygen. CALL A PHYSICIAN.

INGESTION



SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

INDIVIDUAL MEANS OF PROTECTION:

The general principles of hygiene and safety should be adhered to. Block the passer-by access. Ensure proper ventilation. Avoid direct contact with the product.
Do not breathe in vapors.

ENVIRONMENTAL PRECAUTIONS

THE INDISPENSABLE MEANS OF NATURAL ENVIRONMENT PROTECTION

Do not allow for the product to enter the ground and underground water sewerage installation system. If a large amount is spilled in the natural environment, take the steps necessary to limit the spreading within the natural environment.
Inform proper rescue teams.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Keep unnecessary people away. Dike and contain spill with inert material (dry sand, fuller's earth, etc) and transfer the liquid to containers for recovery or proper disposal. Emulsions can be coagulated by stepwise addition of lime and ferric sulphate until all of the water has been completely absorbed. The collected material should be treated as waste. Proceed in accordance with the stipulations of point 13.
Clean the polluted location.

ATTENTION! Floor may be slippery. Care should be exercised to avoid falls.

REFERENCE TO OTHER SECTIONS

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

SUBSTANCE HANDLING:

Use the product in accordance with the safety and hygiene principles, only in well-ventilated rooms. In each case of exposure, before the break as well as after the completion of work, carefully wash hands with soap and water. Do not inhale the product.
Apply means of personal protection, which are in compliance with point 8 of this document.

VENTILATION:

Mechanical Local exhaust at point of contaminant (vapor, mist, or dust) release.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

STORAGE:

Store in original, tight containers only, in dry and well-ventilated locations.
Recommended storage temperature 4-37C. Do not allow the substance to freeze. Store only inside buildings.

SPECIFIC END USE(S)

SPECIFIC APPLICATIONS:

Acrylic latex emulsion, single ingredient, water soluble paint. To be applied directly upon metal or with the application of ground preparation coat. For professional use only.



SECTION 7. HANDLING AND STORAGE

MISCELLANEOUS:

Precautionary Labeling: KEEP FROM FREEZING
PRODUCT STABILITY MAY BE AFFECTED

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

INGREDIENT DESCRIPTION	CAS NUMBER	EXPOSURE LIMITS
ESTER-ALCOHOL	25265-77-4	ACGIH TLV: 835.00 UG/M3 OSHA PEL: NR
PROPYLENE GLYCOL	57-55-6	ACGIH TLV: 400.00 PPM OSHA PEL: 400.00 PPM



EXPOSURE CONTROLS

EXPOSURE CONTROL WITHIN THE WORK PLACE

Adhere to the general principles of hygiene and safety. Do not eat, drink, or smoke tobacco during the execution of work. Before the break and after completion of work. Carefully wash hands. Ensure that the workplace is ventilated or the whole room is ventilated in order for the concentration of the harmful agent within the air is below the allowable concentration limit. Avoid eye and skin contact.

ATTENTION! Residual monomer content under conditions to normal handling present no problems. However, high levels of monomer vapors can be released into workroom atmosphere when emulsions are heat cured or dried (rollers, ovens, infrared lamp, etc) if proper ventilation is not used.

PRECAUTIONS:

Spray from emulsions must not be inhaled. Respirators should be provided if engineering controls are not adequate. Inhalation exposures to mists or dusts of acrylic polymer should be maintained at (LESS THAN) 10 mg/m³ 8-hour TWA limit established for nuisance dusts.

SKIN PROTECTION:

Use protective, impermeable gloves. The choice of proper gloves does not only depend on the material but also on other quality characteristics and is subject to change depending on the manufacturer. Gloves should be changed frequently and immediately replaced should any signs of wear, damage, or change of their looks (color, shape, flexibility) occur.

EYE PROTECTION:

Apply tight, protective goggles. Splash-proof safety goggles (ANSI Z87.1, 1968).

RESPIRATORY PROTECTION:

Follow OSHA Regulation 29CFR 1910.134 for Respiratory use. Use air-purifying respirator that respirator supplier has demonstrated to be effective for solvent vapors, when concentrations exceed the TLV up to the maximum level at which the respirator is effective. If the concentration of solvents is not known or exceeds the level at which the air-purifying respirator is effective, a positive pressure air supplied respirator (TC19C NIOSH/MSHA) is recommended.



SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OTHER PROTECTIVE EQUIPMENT:
Eyewash station, emergency shower.



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BASIC PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	212 TO 490 (deg F)	% VOLATILE (VOLUME):	63.73
	100 TO 254 (deg C)	% NVM (WEIGHT)	: 41.27
VAPOR DENSITY:	HEAVIER THAN AIR	% NVM (VOLUME)	: 36.26
EVAP RATE	: SLOWER THAN BUTYL ACETATE		
DENSITY	: 9.04 (lb/gl)		
	: 1083.11 (gr/l)		
APPEARANCE	: GRAY IN COLOR		
ODOR	: SLIGHT AMINE ODOR		
WATER SOLUBLE:	YES		

OTHER INFORMATION

SOLVENTS	: 8.326 (lb/gl)	VOC (as shipped):	.64 (lb/gl)
	: 997.45 (gr/l)		: 77.39 (gr/l)

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY

No specific test data related to reactivity available for this product or its ingredients

CHEMICAL STABILITY

Stable.

OTHER

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID

Non Applicable.

INCOMPATIBLE MATERIALS

Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may yield oxides of carbon, oxides of nitrogen and low molecular weight hydrocarbons. In baking systems, formaldehyde and ammonia may be present.



SECTION 11. TOXICOLOGICAL INFORMATION

INGREDIENT DESCRIPTION	CAS NUMBER	TOXICOLOGICAL DATA
ESTER-ALCOHOL	25265-77-4	LC50: Inhalation, (RAT) 6H:>3.55mg/l LD50: Oral, (RAT), 6517 MG/KG LD50: (MALE MOUSE), 1600-3200 MG/KG
PROPYLENE GLYCOL	57-55-6	LD50: ORAL RAT 22000 TO 31000 mg/kg LD50: DERMAL RABBIT 21000 mg/kg

TARGET ORGANS:
eyes, skin, nose, respiratory system

EFFECTS OF OVEREXPOSURE:

INHALATION Vapor or mist can cause headache, nausea, and irritation of the nose, throat, and lungs. Overexposure can have narcotic effect

EYE CONTACT Slightly irritating to eyes.

SKIN CONTACT Irritating to skin upon repeated or prolonged contact.

PRIMARY ROUTES OF ENTRY:

Dermal, Inhalation, Ingestion.

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

ECO-TOXICITY:

This product contains chemicals which are harmful to fish.

MOBILITY IN SOIL

This product dissolves in water and spreads through the environment.

ADDITIONAL INFORMATION

Large product quantities should be protected against accessing surface waters, sewerage system and soil.

Ecotoxicological information on this product's components appear in this section when such data is available

2,2,4-TRIMETHYL-1,3-PENTANEDIOL MONOISOBUTYRATE

ACUTE AQUATIC EFFECTS DATA:

96h LC50 (fathead minnow): 33 mg/l NOEC: 16 mg/l
96h LC50 (sideswimmer): > 95 mg/l (highest concentration tested)
48h EC50 (daphnid): 147.8 mg/l NOEC: 28.4 mg/l
96h LC50 (pill bug): > 95 mg/l (highest concentration tested)
96h LC50 (flatworm): 38 mg/l NOEC: 9.5 mg/l
96h LC50 (aquatic earthworm): 30.4 mg/l NOEC: 9.5 mg/l
96h LC50 (ramshorn snail): > 95 mg/l (highest concentration tested)
72h EC50 (Selenastrum capricornutum): 18.4 mg/l



SECTION 12. ECOLOGICAL INFORMATION

AQUA AMMONIA

ELIMINATION INFORMATION (Persistence and degradability)

BIODEGRADABILITY: material is expected to be readily biodegradable. Biodegradation may occur under aerobic conditions (in the presence of oxygen).

ECOTOXICITY EFFECTS

TOXICITY TO FISH: Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/l in the most sensitive species tested)

TOXICITY TO AQUATIC INVERTEBRATES:

Static test LC50 Daphnia magna (Water flea) 48 Hour 101 mg/l

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

COMPOUND RECOMMENDATIONS:

This product is classified as a non-hazardous waste.

The waste product should be subject to recycling or should be removed within certified incineration facilities or waste recycling/processing plants, in accordance with the obligatory regulation. It should not be removed along with communal waste. The remnants should be stored in original containers. The waste code should be provided within the location of the waste processing.

RECOMMENDATIONS WITH REGARD TO THE PACKAGING:

Packaging, which may not be cleaned should be treated in the same manner as the product.

ENVIRONMENTAL PRECAUTIONS:

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION 14. TRANSPORT INFORMATION

The product is not classified as dangerous during land, sea, or air transport.

UN NUMBER

Not applicable

UN PROPER SHIPPING NAME

PAINT, NON-FLAMMABLE LIQUID

TRANSPORTATION HAZARD CLASS

Not applicable

PACKAGING GROUP

Not applicable

SPECIAL PRECAUTIONS FOR USER

TRANSPORT WITHIN USER'S PREMISES:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.



SECTION 15. REGULATORY INFORMATION

CHEMICAL SAFETY ASSESSMENT

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 313 SUPPLIER NOTIFICATION:

This product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Chemical Name	CAS Number	Percent by weight
PROPYLENE GLYCOL	57-55-6	2.12

EUROPEAN INVENTORY STATUS (EINECS):

All components are either listed or are exempt from being listed on the EINECS chemical inventory

SECTION 16. OTHER INFORMATION

WORKSHOPS:

Prior to working with this product, the user should get acquainted with the health and safety regulations regarding chemical handling, and proper use in the workplace.

ADDITIONAL INFORMATION:

Product classification has been agreed based upon the actual concentration of each of the components as it presents real threats, which are imposed by this product. The real value of the concentrations of particular components always fits within the proper range. Therefore, for that reason final product classification may be different from the calculated classification based upon the general concentration values.

(NDS) Highest Allowable Concentration

HMIS RATING: H F R PP
2 0 0 J

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	J

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