

Section 1: Identification

Product Name	HS+ Clear
Product Code #	ARC.31590
Manufacturer	Autokote Systems, LLC
Address	121 Business Circle Thomasville, GA. 31792
Phone	800-801-5913
Mailing Address	P. O. Box 3246 Thomasville, GA. 31799
Emergency Contact	CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924 CHEMTREC is available days, nights, weekends and holidays.
Recommended Use/Restrictions	No Data Available

Section 2: Hazards Identification

Classifications	Skin Corrosion: Category 2 Skin sensitization: Category 1 Carcinogenicity: Category 2 Reproductive Toxicity: Category Lactation STOT Single Exposure: Category 3 STOT Repeated Exposure: Category 2 Flammable Liquid: Category 2 Aquatic Hazard - Acute: Category 2 Aquatic Hazard - Long-term: Category 4
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Pictograms



Signal Word

Danger

Hazard Statements

H225 | Highly flammable liquid and vapour.
 H315 | Causes skin irritation.
 H317 | May cause an allergic skin reaction.
 H351 | Suspected of causing cancer.
 H362 | May cause harm to breast-fed children.
 H335 | May cause respiratory irritation.
 H373 | May Cause damage to organs through prolonged or repeated exposure.
 H401 | Toxic to aquatic life.
 H413 | May cause long lasting harmful effects to aquatic life.

Precautionary Statements

Prevention:
 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/other equipment.
 P242 | Use only non-sparking tools.
 P243 | Take precautionary measures against static discharge.



ADVANCED REFINISH COMPONENTS

Safety Data Sheet

- P201 | Obtain special instructions before use.
- P202 | Do not handle until all safety precautions have been read and understood.
- P260 | Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.
- P263 | Avoid contact during pregnancy/while nursing.
- P264 | Wash any exposed body parts thoroughly after handling.
- P271 | Use only outdoors or in a well-ventilated area.
- P272 | Contaminated work clothing should not be allowed out of the workplace.
- P273 | Avoid release to the environment.
- P280 | Wear protective gloves/protective clothing/eye protection/face protection.
- P281 | Use personal protective equipment as required.

Response:

- P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.
- 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.
- P308 + P313 | IF exposed or concerned: Get medical advice/attention.
- P312 | Call a POISON CENTER or doctor/physician if you feel unwell.
- P314 | Get medical advice/attention if you feel unwell.
- P321 | Specific treatment (see supplemental first aid instruction on this label if immediate administration of antidote/specific measures/cleansing agent/immediate measures is/are appropriate/required).
- P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention.
- P362 | Take off contaminated clothing and wash before reuse.
- P363 | Wash contaminated clothing before reuse.
- P370 + P378 | In case of fire: Use appropriate media for extinction if water increases risk.

Storage:

- P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.
- P403 + P235 | Store in a well-ventilated place. Keep cool.
- P405 | Store locked up.

Disposal:

- P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

Percent of the mixture consisting of ingredient(s) of unknown toxicity

To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.

Section 3: Composition / Information on ingredients

Reportable Components	% of Comp.	CAS No.
N-Butyl Acetate	20 - 30%	123-86-4
Methyl n-Amyl Ketone	5 - 10%	110-43-0
Xylene	5 - 10%	1330-20-7
2-Butoxyethylacetate	5 - 10%	112-07-2
Trimethyl Benzene	1% - 5%	25551-13-7
Trimethyl Benzene	1% - 5%	95-63-6
Ester Solvent EEP	1% - 5%	763-69-9

Ethylbenzene	0 - 1%	100-41-4
Isopropyl Benzene	0 - 1%	98-82-8

Section 4: First aid measures

General Advice	Have Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room.
Eyes	Flush eye with plenty of water for 15 minutes, while lifting eyelid. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical attention.
Skin	Wash skin with soap and water. Though not expected, if irritation occurs, get medical attention.
Inhalation	Though not expected, if breathing is difficult, move to fresh air. If difficulty persists, get medical attention.
Ingestion	Irritation may occur. If irritation persists, get medical attention.

Section 5: Fire fighting measures

Fire Hazard	Yes
Extinguishing Media	Foam, CO2, Dry Chemical, Water Mist
Special Protective Equipment and Firefighting Procedures	Evacuate all unnecessary personnel. Use full protective equipment. Cool closed containers to prevent pressure build-up. Do not allow product or runoff from fire control measures to enter storm or sanitary sewers or waterways.
Unusual Fire & Explosion	Material may splatter when heated. Dried film may burn.
Hazardous Combustion Products	See Section 10

Section 6: Accidental release measures

Personal Precautions	Avoid any uncontrolled release of material. For personal precautions see section 8.
Spills / Leaks	Where spills are possible, a comprehensive spill response plan should be developed and implemented. Steps to be taken if material is released or spilled are as follows: Utilize recommended protective clothing and equipment. Spills should be swept by using. For disposal see section 13.

Section 7: Handling and storage

Handling	Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes skin and clothing. For precautions see section 2.2.
Storage	Store in a sealed container in a cool, dry environment.

Section 8: Exposure controls / personal protection



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Safety Data Sheet

Exposure Limits

Chemical Description

N-Butyl Acetate - 123-86-4 - 20 - 30%

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: 200 ppm STEL 150 ppm TWA

OTHER Exposure Limits: NIOSH: 150 ppm TWA; 710 mg/m³ TWA 200 ppm STEL; 950 mg/m³ STEL

Methyl n-Amyl Ketone - 110-43-0 - 5 - 10%

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: 50 ppm TWA

OTHER Exposure Limits: NIOSH: 100 ppm TWA; 465 mg/m³ TWA

Xylene - 1330-20-7 - 5 - 10%

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: 150 ppm STEL 100 ppm TWA

OTHER Exposure Limits: No Data Available

2-Butoxyethylacetate - 112-07-2 - 5 - 10%

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: 20 ppm TWA

OTHER Exposure Limits: NIOSH: 5 ppm TWA; 33 mg/m³ TWA

Trimethyl Benzene - 25551-13-7 - 1% - 5%

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: 25 ppm TWA

OTHER Exposure Limits: Several states have set guidelines or standard for Trimethyl benzenes in ambient air ranging from 1.25 – 1.70 mg/m³ (North Dakota) to 2.1 mg/m³ (Virginia) to 2.5 mg/m³ (Connecticut) to 2.976 mg/m³ (Nevada).

Trimethyl Benzene - 95-63-6 - 1% - 5%



ADVANCED REFINISH COMPONENTS

Safety Data Sheet

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: ACGIH recommends a TWA values (for trimethyl benzenes as a class) of 25 ppm (125 mg/m³) and the HSE STEL value is 35 ppm (170 mg/m³).

OTHER Exposure Limits: NIOSH: 25 ppm TWA; 125 mg/m³ TWA

Ester Solvent EEP - 763-69-9 - 1% - 5%

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: CLV: 0.03 ppm

OTHER Exposure Limits: No Data Available

Ethylbenzene - 100-41-4 - 0 - 1%

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: 20 ppm TWA

OTHER Exposure Limits: NIOSH: 100 ppm TWA; 435 mg/m³ TWA 125 ppm STEL; 545 mg/m³ STEL

Isopropyl Benzene - 98-82-8 - 0 - 1%

OSHA Exposure Limits: No Data Available

ACGIH Exposure Limits: 50 ppm TWA

OTHER Exposure Limits: NIOSH: 50 ppm TWA; 245 mg/m³ TWA

Engineering Controls

USE WITH ADEQUATE VENTILATION. Open all doors and windows to achieve cross-ventilation or provide mechanical ventilation in work and surrounding areas. Maintain cross-ventilation during and after application until all vapors and fumes are gone.

Personal Protective Equipment

- | | |
|--------------------|--|
| Hand | Wear gloves to prevent skin contact. Wash hands with soap and water after using and before eating or using tobacco products. |
| Eyes | Wear safety glasses to protect from liquid splash. Ensure eye wash and safety showers are near workstations. |
| Skin | Avoid contact with skin. |
| Respiratory | Ensure fresh air entry during application and drying. Though not expected, increase ventilation if irritation occurs. Wear respirator with particulate filter or dust mask to avoid breathing sanding dusts if needed. |

Section 9: Physical and chemical properties

Appearance	Clear Liquid	Viscosity	No Data
Physical State	Liquid	Upper Flammability/Explosive Limit	8.70
Color	Transparent	Lower Flammability/Explosive Limit	0.88
Odor	Organic Solvent	Vapor Pressure	No Data
pH value	No Data	Vapor Density	3.60
Freezing Point (F)	-140.80F (estimated)	Vapor Temperature	No Data
Boiling Point (F)	258.98F (estimated)	Relative Density/Specific Gravity	0.97
Flash Point (F)	77.0F (estimated)	Solubility	No Data
Flash Point Method Used	P Marten	Partition Coefficient	No Data
Evaporation Rate	No Data	Auto-Ignition Temperature	32F / 0C (estimated)
Flammability	Yes	Decomposition Temperature	No Data

Section 10: Stability and reactivity

Chemical Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability	Product is stable.
Conditions to Avoid	High temperatures and humidity.
Materials to Avoid	Strong Oxidizing Agents Acids Alkalis Bases
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological information

Acute Toxicity

Reportable Components

LC50 Inhalation

CAS 123-86-4 - Rat: 29.2 mg/L
 CAS 110-43-0 - Rat: 16.7 mg/L
 CAS 1330-20-7 - Rat: 29.08 mg/L
 CAS 112-07-2 - Rat: 400 ppm OECD_SIDS
 CAS 95-63-6 - Rat: 2000 ppm

LD50 Oral

CAS 123-86-4 - Rat : 14130 mg/kg
 CAS 110-43-0 - Rat : 1600 mg/kg
 CAS 1330-20-7 - Rat : 3500 mg/kg
 CAS 112-07-2 - Rat : 3000 mg/kg
 CAS 25551-13-7 - Rat: 8970 mg/kg NLM_CIP
 CAS 95-63-6 - Rat : 6000 mg/kg
 CAS 763-69-9 - Rat : 3200 mg/kg

LD50 Dermal



Safety Data Sheet

ADVANCED REFINISH COMPONENTS

CAS 123-86-4 - Rabbit: 17600 mg/kg
CAS 110-43-0 - Rabbit: 12600 mg/kg
CAS 1330-20-7 - Rabbit: 4350 mg/kg
CAS 112-07-2 - Rabbit: 1480 mg/kg
CAS 95-63-6 - Rabbit: 3440 mg/kg

Inhalation

Description of Effects From Short- and Long-Term Exposure:

Though not expected, vapor and mist may irritate nose, throat, and lungs. Move to fresh air. Dust, sanding dusts and particles may cause nose and throat irritation.

Ingestion

Description of Effects From Short- and Long-Term Exposure:

Swallowing may cause irritation.

Eyes

Description of Effects From Short- and Long-Term Exposure:

Contact with liquid may cause irritation.

Skin

Description of Effects From Short- and Long-Term Exposure:

Contact may cause mild irritation. May cause an allergic skin reaction.

Carcinogen Information

Carcinogens Listing

Contains a chemical with the potential to cause cancer. Risk of cancer depends on level and duration of exposure.

CAS#	Description	Weight%	NTP	IARC	OSHA
100-41-4	Ethylbenzene	0 - 1%			
98-82-8	Isopropyl Benzene	0 - 1%			

Section 12: Ecological information

Aquatic Toxicity Not Applicable.

123-86-4

96 Hr LC50 Lepomis macrochirus: 100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 17 - 19 mg/L [flow-through] 72 Hr EC50 Desmodemus subspicatus: 674.7 mg/L

110-43-0

96 Hr LC50 Pimephales promelas: 126 - 137 mg/L [flow-through]

1330-20-7

96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr



Safety Data Sheet

ADVANCED REFINISH COMPONENTS

LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

112-07-2

48 Hr EC50 Daphnia magna: 37 mg/L 72 Hr EC50 Desmodemus subspicatus: >500 mg/L

25551-13-7

96 Hr LC50 Pimephales promelas: 7.72 mg/L [flow-through]

95-63-6

96 Hr LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 6.14 mg/L

763-69-9

96 Hr LC50 Pimephales promelas: 62 mg/L [static] 48 Hr EC50 Daphnia magna: 970 mg/L

100-41-4

96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static] 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

98-82-8

96 Hr LC50 Pimephales promelas: 6.04 - 6.61 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 5.1 mg/L [semi-static] 48 Hr EC50 Daphnia magna: 0.6 mg/L; 48 Hr EC50 Daphnia magna: 7.9 - 14.1 mg/L [Static] 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 mg/L

Biodegradability No Data

Bioaccumulation No Data

Section 13: Disposal consideration

Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location.

Section 14: Transportation information

AGENCY	PROPER SHIPPING NAME	UN NUMBER	PACKING GROUP	HAZARD CLASS
IATA	Paint Related Material	UN1263	2	3
IMDG	Paint Related Material	UN1263	2	3
USDOT	Paint Related Material	UN1263	2	3

Limited Quantity: For packages not in excess of 5L.

Section 15: Regulatory information

TSCA: The following components are listed under TSCA

- 123-86-4 N-Butyl Acetate 20 - 30%
- 110-43-0 Methyl n-Amyl Ketone 5 - 10%
- 1330-20-7 Xylene 5 - 10%



Safety Data Sheet

ADVANCED REFINISH COMPONENTS

112-07-2 2-Butoxyethylacetate 5 - 10%
25551-13-7 Trimethyl Benzene 1% - 5%
95-63-6 Trimethyl Benzene 1% - 5%
763-69-9 Ester Solvent EEP 1% - 5%
100-41-4 Ethylbenzene 0 - 1%
41556-26-7 Bis(1, 2, 2, 6, 6-Pentamethyl-4-piperidinyl) Sebacate 0 - 1%
73936-91-1 2-(2H-benzotriazol-2-yl)-6-(1-methyl-1-phenyl)-4-(1,1,3,3-te 0 - 1%
98-82-8 Isopropyl Benzene 0 - 1%
82919-37-7 Methyl 1, 2, 2, 6, 6-pentamethyl-4-piperidyl sebacate 0 - 1%
25322-68-3 Polyethylene Glycol 0 - 1%

SARA 311/312:

None

SARA 313:

1330-20-7 Xylene 5 - 10%
95-63-6 Trimethyl Benzene 1% - 5%
100-41-4 Ethylbenzene 0 - 1%
98-82-8 Isopropyl Benzene 0 - 1%

NJ RTK: The following components are listed under NJ RTK

123-86-4 N-Butyl Acetate 20 - 30%
110-43-0 Methyl n-Amyl Ketone 5 - 10%
1330-20-7 Xylene 5 - 10%
112-07-2 2-Butoxyethylacetate 5 - 10%
25551-13-7 Trimethyl Benzene 1% - 5%
95-63-6 Trimethyl Benzene 1% - 5%
100-41-4 Ethylbenzene 0 - 1%
98-82-8 Isopropyl Benzene 0 - 1%

PA RTK: The following components are listed under PA RTK

123-86-4 N-Butyl Acetate 20 - 30%
110-43-0 Methyl n-Amyl Ketone 5 - 10%
1330-20-7 Xylene 5 - 10%
25551-13-7 Trimethyl Benzene 1% - 5%
95-63-6 Trimethyl Benzene 1% - 5%
100-41-4 Ethylbenzene 0 - 1%
98-82-8 Isopropyl Benzene 0 - 1%

MA RTK: The following components are listed under MA RTK

123-86-4 N-Butyl Acetate 20 - 30%
110-43-0 Methyl n-Amyl Ketone 5 - 10%
1330-20-7 Xylene 5 - 10%
25551-13-7 Trimethyl Benzene 1% - 5%
95-63-6 Trimethyl Benzene 1% - 5%
100-41-4 Ethylbenzene 0 - 1%
98-82-8 Isopropyl Benzene 0 - 1%

California Prop. 65



WARNING: This product can expose you to chemicals including the chemicals listed below, which is[are] known to the State of California to cause cancer and/or birth defects and/or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Ethylbenzene - 100-41-4 - cancer

Isopropyl Benzene - 98-82-8 - cancer



ADVANCED REFINISH COMPONENTS

Safety Data Sheet

Section 16: Other information

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