









### **SAFETY DATA SHEET**

### 1. Identification

**Product identifier** HumiSeal 2A53 Part A

Other means of identification

HumiSeal 2A53 Part A **Product code** 

Protective Coating for Printed Circuit Board Recommended use

**Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

CHASE CORPORATION Zeta Drive Plant Company name

**Address** 201 Zeta Drive

Pittsburgh, Pennsylvania 15238

**United States** 

Telephone 1-866-932-0800 E-mail Not available.

Chemtrec, US **Emergency phone number** 1-800-424-9300

> (+1)703-527-3887 Chemtrec, outside of US

### 2. Hazard(s) identification

Physical hazards Flammable liquids Category 2 **Health hazards** Acute toxicity, inhalation Category 3 Skin corrosion/irritation Category 2 Serious eve damage/eve irritation Category 2 Carcinogenicity Category 2

Reproductive toxicity

Specific target organ toxicity, single exposure Category 3 narcotic effects

Category 2

Specific target organ toxicity, repeated Category 2

exposure

Aspiration hazard Category 1

**Environmental hazards** Hazardous to the aquatic environment, acute Category 3

Hazardous to the aquatic environment, Category 3

long-term hazard

**OSHA** defined hazards Not classified.

Label elements



Signal word Danger

#### **Hazard statement**

Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Toxic if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

### **Precautionary statement**

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

### Storage Disposal

Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

## Hazard(s) not otherwise

Dispose of contents/container in accordance with local/regional/national/international regulations.

classified (HNOC)

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Supplemental information

68.8% of the mixture consists of component(s) of unknown acute oral toxicity. 68.8% of the mixture consists of component(s) of unknown acute dermal toxicity. 87.88% of the mixture consists of component(s) of unknown acute inhalation toxicity. 79.8% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 79.8% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
METHYL ISOBUTYL KETONE		108-10-1	10 - < 20
Toluene		108-88-3	10 - < 20
XYLENES		1330-20-7	< 1
ETHYLBENZENE		100-41-4	< 0.3
Other components below reportable	levels		60 - < 70

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a poison center or doctor/physician.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

delayed

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and

nd

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special

treatment needed

exposure may cause chronic enects.

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Material name: HumiSeal 2A53 Part A

SDS US

HumiSeal 2A53 Part A Version #: 03 Revision date: 08-17-2018 Issue date: 05-09-2015

#### **General information**

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

General fire hazards

Use standard firefighting procedures and consider the hazards of other involved materials.

Highly flammable liquid and vapor.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

#### **Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

### 7. Handling and storage

#### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

## Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)				
Components	Туре	Value		
ETHYLBENZENE (CAS 100-41-4)	PEL	435 mg/m3		
		100 ppm		
METHYL ISOBUTYL KETONE (CAS 108-10-1)	PEL	410 mg/m3		
		100 ppm		
XYLENES (CAS 1330-20-7)	PEL	435 mg/m3		
		100 ppm		
US. OSHA Table Z-2 (29 CFR 1910.1000)				
Components	Туре	Value		
Toluene (CAS 108-88-3)	Ceiling	300 ppm		
	TWA	200 ppm		
US. ACGIH Threshold Limit Values				
Components	Туре	Value		
ETHYLBENZENE (CAS 100-41-4)	TWA	20 ppm		
METHYL ISOBUTYL KETONE (CAS 108-10-1)	STEL	75 ppm		
	TWA	20 ppm		
Toluene (CAS 108-88-3)	TWA	20 ppm		
XYLENES (CAS 1330-20-7)	STEL	150 ppm		
	TWA	100 ppm		

US.	NIOSH:	<b>Pocket</b>	Guide to	Chemical	Hazards
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Components	Туре	Value	
ETHYLBENZENE (CAS 100-41-4)	STEL	545 mg/m3	
		125 ppm	
	TWA	435 mg/m3	
		100 ppm	
METHYL ISOBUTYL KETONE (CAS 108-10-1)	STEL	300 mg/m3	
		75 ppm	
	TWA	205 mg/m3	
		50 ppm	
Toluene (CAS 108-88-3)	STEL	560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
		100 ppm	
XYLENES (CAS 1330-20-7)	STEL	655 mg/m3	
		150 ppm	
	TWA	435 mg/m3	
		100 ppm	

### **Biological limit values**

ACGIH Biological Exposi Components	ure Indices Value	Determinant	Specimen	Sampling Time	
ETHYLBENZENE (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*	
METHYL ISOBUTYL KETONE (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*	
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*	
	0.03 mg/l	Toluene	Urine	*	
	0.02 mg/l	Toluene	Blood	*	
XYLENES (CAS 1330-20-	7)1.5 g/g	Methylhippuric acids	Creatinine in urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

### **Exposure guidelines**

US - California OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Toluene (CAS 108-88-3) Skin designation applies.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety

shower.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Material name: HumiSeal 2A53 Part A

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**Respiratory protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. Physical and chemical properties

**Appearance** 

Physical state Liquid.
Form Liquid.
Color Clear
Odor Aromatic
Odor threshold Not available.
pH Does not apply.

Melting point/freezing point -138.82 °F (-94.9 °C) estimated Initial boiling point and boiling 231.08 °F (110.6 °C) estimated

range

Flash point 39.2 °F (4.0 °C)

Evaporation rate 2.9 BuAc

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower 1.2 %

(%)

Flammability limit - upper

(%)

pper 8 %

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 33.44 hPa estimated

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Negligible

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature 840 °F (448.89 °C) estimated

Decomposition temperatureNot available.Viscosity350 - 450 cPViscosity temperature77 °F (25 °C)

Other information

Brookfield viscosity350 - 450 cPDensity1.05 g/cm3Explosive propertiesNot explosive.

Flammability class Flammable IB estimated

Oxidizing properties Not oxidizing.

Percent volatile 37 - 41 % v/v

Specific gravity 1.05 VOC 378 g/l

### 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Material name: HumiSeal 2A53 Part A

SDS US

HumiSeal 2A53 Part A Version #: 03 Revision date: 08-17-2018 Issue date: 05-09-2015

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid

temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition

curry comments against

products

No hazardous decomposition products are known.

### 11. Toxicological information

#### Information on likely routes of exposure

Inhalation Toxic if inhaled. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing,

redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Toxic if inhaled.

Product	Species	Test Results	
HumiSeal 2A53 Part A			
<u>Acute</u>			
Dermal			
LD50	Rabbit	44000 mg/kg estimated	
		73.9 ml/kg estimated	
Inhalation			
LC50	Mouse	30930 ppm, 8 Hours estimated	
		2326 ppm, 24 Hours estimated	
	Rat	70930 ppm, 2 Hours estimated	
		46510 ppm, 4 Hours estimated	
		74.54 mg/l, 4 Hours estimated	
Oral			
LD50	Rat	13.63 g/kg estimated	
Other			
LD50	Guinea pig	8.355 ml/kg estimated	
	Mouse	292.3 mg/kg estimated	
	Rat	753.3 mg/kg estimated	
		10.36 ml/kg estimated	
Components	Species	Test Results	
ETHYLBENZENE (CAS 100	0-41-4)		
<u>Acute</u>			
Dermal			
LD50	Rabbit	17800 mg/kg	
Oral			
LD50	Rat	3500 mg/kg	
METHYL ISOBUTYL KETO	NE (CAS 108-10-1)		
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 16000 mg/kg	
Inhalation			
LC50	Rat	8.2 mg/l, 4 Hours	

Material name: HumiSeal 2A53 Part A

SDS US

Components **Species Test Results** Oral LD50 Rat 2080 mg/kg Toluene (CAS 108-88-3) Acute **Dermal** Rabbit LD50 12120 mg/kg Oral

2.6 g/kg

XYLENES (CAS 1330-20-7)

**Acute Dermal** 

LD50

LD50 Rabbit > 43 g/kg

Inhalation

LC50 Rat 6350 mg/l, 4 Hours

Oral

LD50 Rat 3523 - 8600 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eve damage/eve

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Rat

Skin sensitization This product is not expected to cause skin sensitization.

Causes serious eye irritation.

No data available to indicate product or any components present at greater than 0.1% are Germ cell mutagenicity

mutagenic or genotoxic.

Suspected of causing cancer. Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

ETHYLBENZENE (CAS 100-41-4) 2B Possibly carcinogenic to humans. METHYL ISOBUTYL KETONE (CAS 108-10-1) 2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans. Toluene (CAS 108-88-3) XYLENES (CAS 1330-20-7) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity -

single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity -

repeated exposure

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may

be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Product		Species	Test Results
HumiSeal 2A53 Part A			
Aquatic			
Crustacea	EC50	Daphnia	52.1835 mg/l, 48 hours estimated
Fish	LC50	Fish	398.9143 mg/l, 96 hours estimated

Material name: HumiSeal 2A53 Part A HumiSeal 2A53 Part A Version #: 03 Revision date: 08-17-2018 Issue date: 05-09-2015 Components Species Test Results

ETHYLBENZENE (CAS 100-41-4)

Aquatic

Crustacea EC50 Water flea (Daphnia magna) 1.37 - 4.4 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 7.5 - 11 mg/l, 96 hours

METHYL ISOBUTYL KETONE (CAS 108-10-1)

Aquatic

Fish LC50 Fathead minnow (Pimephales promelas) 492 - 593 mg/l, 96 hours

Toluene (CAS 108-88-3)

Aquatic

Crustacea EC50 Water flea (Daphnia magna) 5.46 - 9.83 mg/l, 48 hours

Fish LC50 Coho salmon, silver salmon 8.11 mg/l, 96 hours

(Oncorhynchus kisutch)

XYLENES (CAS 1330-20-7)

Aquatic

Fish LC50 Bluegill (Lepomis macrochirus) 7.711 - 9.591 mg/l, 96 hours

Persistence and degradability 
No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

 ETHYLBENZENE
 3.15

 METHYL ISOBUTYL KETONE
 1.31

 Toluene
 2.73

 XYLENES
 3.12 - 3.2

Mobility in soil No data available.

Other adverse effects

The product contains volatile organic compounds which have a photochemical ozone creation

potential.

13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the

material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with

local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

Hazardous waste code D001: Waste Flammable material with a flash point <140 F

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information

DOT

UN number UN1263 UN proper shipping name PAINT

Transport hazard class(es)

Class 3
Subsidiary risk Label(s) 3
Packing group II

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

**Special provisions** 149, B52, IB2, T4, TP1, TP8, TP28

Packaging exceptions 150
Packaging non bulk 173

Packaging bulk 242

**IATA** 

UN1263 **UN** number **PAINT UN** proper shipping name

Transport hazard class(es)

Class 3 Subsidiary risk П Packing group **Environmental hazards** No. **ERG Code** 3L

Other information

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Passenger and cargo

aircraft

Allowed with restrictions.

Cargo aircraft only

Allowed with restrictions.

**IMDG** 

UN1263 **UN** number **PAINT UN** proper shipping name Transport hazard class(es)

Class 3 Subsidiary risk **Packing group** П **Environmental hazards** 

Marine pollutant No. F-E, S-E

Not established.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

DOT



IATA; IMDG



### 15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

ETHYLBENZENE (CAS 100-41-4) Listed. METHYL ISOBUTYL KETONE (CAS 108-10-1) Listed. Toluene (CAS 108-88-3) Listed. XYLENES (CAS 1330-20-7) Listed.

### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Yes

chemical

Classified hazard categories

Flammable (gases, aerosols, liquids, or solids)

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Carcinogenicity Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Hazard not otherwise classified (HNOC)

### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
ETHYLBENZENE	100-41-4	< 0.3	
METHYL ISOBUTYL KETONE	108-10-1	10 - < 20	
Toluene	108-88-3	10 - < 20	
XYLENES	1330-20-7	< 1	

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

ETHYLBENZENE (CAS 100-41-4)

METHYL ISOBUTYL KETONE (CAS 108-10-1)

Toluene (CAS 108-88-3) XYLENES (CAS 1330-20-7)

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

### Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and **Chemical Code Number**

METHYL ISOBUTYL KETONE (CAS 108-10-1) 6715 6594 Toluene (CAS 108-88-3)

### Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

METHYL ISOBUTYL KETONE (CAS 108-10-1) 35 %WV Toluene (CAS 108-88-3) 35 %WV

**DEA Exempt Chemical Mixtures Code Number** 

METHYL ISOBUTYL KETONE (CAS 108-10-1) 6715 Toluene (CAS 108-88-3) 594

### FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

METHYL ISOBUTYL KETONE (CAS 108-10-1) Low priority

### **US state regulations**

### **California Proposition 65**



WARNING: This product can expose you to chemicals including METHYL ISOBUTYL KETONE, which is

known to the State of California to cause cancer and birth defects or other reproductive harm. For

more information go to www.P65Warnings.ca.gov.

### California Proposition 65 - CRT: Listed date/Carcinogenic substance

ETHYLBENZENE (CAS 100-41-4) Listed: June 11, 2004 METHYL ISOBUTYL KETONE (CAS 108-10-1) Listed: November 4, 2011

### California Proposition 65 - CRT: Listed date/Developmental toxin

METHYL ISOBUTYL KETONE (CAS 108-10-1) Listed: March 28, 2014 Toluene (CAS 108-88-3) Listed: January 1, 1991

Material name: HumiSeal 2A53 Part A

# US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

ETHYLBENZENE (CAS 100-41-4)

METHYL ISOBUTYL KETONE (CAS 108-10-1)

Inventory name

Toluene (CAS 108-88-3) XYLENES (CAS 1330-20-7)

### **International Inventories**

Country(s) or region

		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

Taiwan Taiwan Chemical Substance Inventory (TCSI)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Yes

### 16. Other information, including date of preparation or last revision

 Issue date
 05-09-2015

 Revision date
 08-17-2018

Version # 03

HMIS® ratings Health: 3\*

Flammability: 3 Physical hazard: 0

NFPA ratings Health: 3

Flammability: 3 Instability: 0

**Disclaimer** The information offered in this data sheet is designed only as guidance for the safe use, storage

and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This material is intended for industrial use only.

No warranty, expressed or implied is made.

**Revision information**This document has undergone significant changes and should be reviewed in its entirety.

Material name: HumiSeal 2A53 Part A

On inventory (yes/no)\*

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).