



## 1. Identification

Product identifier	DUNAPOX BLUE SEA 125 RESIN
Other means of identification	
Product code	260265
Recommended use	Industrial chemical.
<b>Recommended restrictions</b>	None known.
Manufacturer/Importer/Supplier/I	Distributor information
Manufacturer/Supplier	
Company name	DUNA-USA Inc.
Address	4210 FM 1405 Baytown, TX, 77523 United States
	Baytown, TX, 77523
	United States
Telephone number	281-383-3862
e-mail	franco.sala@dunagroup.com
Contact person	Franco Sala
Emergency telephone number	281-383-3862

# 2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	
Label elements		
Signal word	Warning	

Signal word	Warning
Hazard statement	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing genetic defects. Toxic 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. Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

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### 3. Composition/information on ingredients

#### Mixtures

Chemical name		CAS number	%
Bisphenol-A-(epichlorhydrin) epoxy resin		25068-38-6	20 - 30
2,3-epoxypropyl o-tolylether		2210-79-9	5 - 10
Calcium carbonate		471-34-1	Proprietary
Naphtha		64742-95-6	Proprietary
Composition comments	All concentrations are in percent by weight unless otherwise indicated. Components not listed are either non-hazardous or are below reportable limits. The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.		
4. First-aid measures			
Inhalation	Move to fresh air. Call a physician if symp	otoms develop or persist.	
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. 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. If eye irritation persists: Get medical advice/attention.		
ngestion	Rinse mouth. Get medical attention if symptoms occur.		
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatit Rash.		
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.		
General information	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 ir attendance. Wash contaminated clothing before reuse.		
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Powder. Carbon dioxid	e (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, a	as this will spread the fire.	
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and fi	ull protective clothing must be w	orn in case of fire.
Fire fighting	Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.		
equipment/instructions	and consider the hazards of other involve	u materiais.	
	This product is not flammable. However:		

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. In case of spills, beware of slippery floors and surfaces. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.



Methods and materials for	Prevent product from entering drains.
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: 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. 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.
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. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Persons with epoxy allergy should not work with this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. In case of spills, beware of slippery floors and surfaces.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

#### **Occupational exposure limits**

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	
Naphtha (CAS 64742-95-6)	PEL	400 mg/m3	
		100 ppm	
US. NIOSH: Pocket Guide to	o Chemical Hazards		
Components	Туре	Value	Form
Calcium carbonate (CAS 471-34-1)	TWA	5 mg/m3	Respirable.
Naphtha (CAS 64742-95-6)	TWA	10 mg/m3 400 mg/m3 100 ppm	Total
Biological limit values	No biological exposure limits noted for		
Exposure guidelines	Occupational Exposure Limits are not relevant to the current physical form of the product. If product becomes a solid through drying or crystallization or is produced as a mist or other aerosol, the above mentioned exposure levels apply.		
Appropriate engineering controls	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. Eye wash fountain and emergency showers are recommended.		
Individual protection measures,	such as personal protective equipm	ent	
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Skin protection Hand protection	Wear appropriate chemical resistant gloves.		
Skin protection Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.		
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: NIOSH-certified organic vapor cartridge respirator with a particulate pre-filter. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.		
Thermal hazards	Wear appropriate thermal protective	clothing, when necessary.	



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. Contaminated work clothing should not be allowed out of the workplace.

### 9. Physical and chemical properties

•	•
Appearance	
Physical state	Liquid.
Form	Paste.
Color	Blue.
Odor	Light Chemical.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.65
Relative density temperature	68 °F (20 °C)
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	662 °F (350 °C)
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
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.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

Conditions to avoid	Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials. Avoid prolonged exposure to heat.
Incompatible materials	Strong oxidizing agents. Strong acids. Strong alkalis.
Hazardous decomposition products	Carbon monoxide. Phenolic compounds.

### 11. Toxicological information

Inhalation

#### Information on likely routes of exposure

Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Inhalation of dust or vapors/fumes from heated product can cause respiratory tract irritation.



Skin contact	Causes skin irritation. May cause an allergic skin reaction.	
Eye contact	Causes serious eye irritation.	
Ingestion	Expected to be a low ingestion hazard.	
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.	

### Information on toxicological effects

Components	Species Test Results			
2,3-epoxypropyl o-tolylether (CAS	3 2210-79-9)			
<u>Acute</u>				
Inhalation				
Mist				
LC50	Rat 6.09 mg/kg, 4 hours			
Oral	Det	4000		
LD50	Rat 4000 mg/kg			
Bisphenol-A-(epichlorhydrin) epox	(y resin (CAS 25068-38-6)			
<u>Acute</u> Dermal				
LD50	Rat	> 2000 mg/kg		
Oral		2000 mg/kg		
LD50	Rat	15000 mg/kg		
Calcium carbonate (CAS 471-34-				
Acute	')			
Oral				
LD50	Rat	6450 mg/kg		
Skin corrosion/irritation	Causes skin irritation.			
Serious eye damage/eye	Causes serious eye irritation.			
irritation				
Respiratory or skin sensitizatio	n			
Respiratory sensitization	Not a respiratory sensitizer.	Not a respiratory sensitizer.		
Skin sensitization	May cause an allergic skin reaction.			
Germ cell mutagenicity	Suspected of causing genetic defects.			
Carcinogenicity	Not classifiable as to carcinogenicity to humans.			
	Evaluation of Carcinogenicity			
Not listed.	_			
NTP Report on Carcinogen Not listed.	S			
	ed Substances (29 CFR 1910.1001-1050)			
Not regulated.				
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.			
Specific target organ toxicity - single exposure	Not classified.			
Specific target organ toxicity - repeated exposure	Not classified.	Not classified.		
Aspiration hazard	Not an aspiration hazard.			
12. Ecological information	n			
Ecotoxicity	Toxic to aquatic life with long lasting effects.			



Components	Species Test Results			
Calcium carbonate (CAS 471	-34-1)			
Aquatic				
Acute				
Fish	LC50	Western mosquitofish (Gam	busia affinis) >56000 mg/l, 96 Hours	
Naphtha (CAS 64742-95-6)				
Aquatic				
Acute				
Crustacea	EL50	Daphnia	4.5 mg/l, 48 hours	
Fish	LL50	Oncorhynchus mykiss	10 mg/l, 96 hours	
Persistence and degradability	The produ	ct is not expected to be biodegrad	dable.	
Bioaccumulative potential	No data av	vailable.		
lobility in soil	No data av	No data available.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.			
3. Disposal consideratio	ns			
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.			
ocal disposal regulations	Dispose in	Dispose in accordance with all applicable regulations.		
lazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.			
Vaste from residues / unused roducts	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.			
4 Transport information				

### 14. Transport information

DOT	
UN number	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s.
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Packing group	III
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	8, 146, 335, IB3, T4, TP1, TP29
Packaging exceptions	155
Packaging non bulk	203
Packaging bulk	241
ΙΑΤΑ	
UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	
Environmental hazards	Yes
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.



IMDG	
UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)	
Class	9
Subsidiary risk	•
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
Special precautions for use	<ul> <li>Read safety instructions, SDS and emergency procedures before handling.</li> </ul>
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	
15. Regulatory information	1
• •	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication
US federal regulations	Standard, 29 CFR 1910.1200.
	All components are listed on or exempt from the U.S. EPA TSCA Inventory List.
TSCA Section 12(b) Export	Notification (40 CFR 707, Subpt. D)
Not regulated.	
0	d Substances (29 CFR 1910.1001-1050)
Not regulated.	
CERCLA Hazardous Substa	nce List (40 CER 302 4)
Not listed.	
-	authorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - Yes Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No
SARA 302 Extremely hazard	-
SARA 302 Extremely hazard Not listed	-
Not listed.	lous substance
Not listed. SARA 311/312 Hazardous	-
Not listed. SARA 311/312 Hazardous chemical	lous substance
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting)	lous substance
Not listed. SARA 311/312 Hazardous chemical	lous substance
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting)	lous substance
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations	lous substance Yes
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section	lous substance
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated.	Yes 112 Hazardous Air Pollutants (HAPs) List
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section	lous substance Yes
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated.	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130)
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act	Yes 112 Hazardous Air Pollutants (HAPs) List
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA)	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit Bisphenol-A-(epichlo	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance rhydrin) epoxy resin (CAS 25068-38-6)
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit Bisphenol-A-(epichlo	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance rhydrin) epoxy resin (CAS 25068-38-6)
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit Bisphenol-A-(epichlor US. Massachusetts RTH Naphtha (CAS 64742)	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance rhydrin) epoxy resin (CAS 25068-38-6) ( - Substance List 2-95-6)
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit Bisphenol-A-(epichlo US. Massachusetts RTH Naphtha (CAS 6474)	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance rhydrin) epoxy resin (CAS 25068-38-6) (- Substance List 2-95-6) and Community Right-to-Know Act
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit Bisphenol-A-(epichlo US. Massachusetts RTH Naphtha (CAS 64742)	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance rhydrin) epoxy resin (CAS 25068-38-6) ( - Substance List 2-95-6) and Community Right-to-Know Act 2-95-6)
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit Bisphenol-A-(epichlo US. Massachusetts RTH Naphtha (CAS 64742 US. New Jersey Worker Naphtha (CAS 64742)	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance rhydrin) epoxy resin (CAS 25068-38-6) (- Substance List 2-95-6) and Community Right-to-Know Act 2-95-6) er and Community Right-to-Know Law
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit Bisphenol-A-(epichlo US. Massachusetts RTH Naphtha (CAS 64742) US. Pennsylvania Work Naphtha (CAS 64742)	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance rhydrin) epoxy resin (CAS 25068-38-6) (- Substance List 2-95-6) and Community Right-to-Know Act 2-95-6) er and Community Right-to-Know Law
Not listed. SARA 311/312 Hazardous chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Not regulated. Safe Drinking Water Act (SDWA) US state regulations US - California Proposit Bisphenol-A-(epichlo US. Massachusetts RTH Naphtha (CAS 64742 US. New Jersey Worker Naphtha (CAS 64742)	Yes 112 Hazardous Air Pollutants (HAPs) List 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. ion 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance rhydrin) epoxy resin (CAS 25068-38-6) - Substance List 2-95-6) and Community Right-to-Know Act 2-95-6) er and Community Right-to-Know Law 2-95-6)



#### **International Inventories**

<b>Country(s) or region</b> Australia	Inventory name Australian Inventory of Chemical Substances (AICS)	<b>On inventory (yes/no)*</b> 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)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies 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).

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

Issue date	12-May-2017
Revision date	-
Version #	01
HMIS® ratings	Health: 2* Flammability: 1 Physical hazard: 0
NFPA ratings	

Disclaimer

DUNA-USA Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.







### 1. Identification

Il laonanouton		
Product identifier	DUNAPOX H 156 HARDENER	
Other means of identification		
Product code	261017	
Recommended use	Industrial chemical.	
<b>Recommended restrictions</b>	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer/Supplier		
Company name	DUNA-USA Inc.	
Address	4210 FM 1405 Baytown, TX, 77523 United States	
	Baytown, TX, 77523	
	United States	
Telephone number	281-383-3862	
e-mail	franco.sala@dunagroup.com	
Contact person	Franco Sala	
Emergency telephone number	281-383-3862	
2. Hazard(s) identification		
Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 1
		<b>0</b> 1

	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Reproductive toxicity (fertility) (oral)	Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2

Not classified.

**OSHA** defined hazards

Label elements



Signal word Hazard statement

Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of damaging fertility by ingestion. Toxic 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. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.



Response	If swallowed: Rinse mouth. 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. Immediately call a poison center/doctor. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Collect spillage.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

# 3. Composition/information on ingredients

### Mixtures

Chemical name		CAS number	%
Benzyl alcohol		100-51-6	30 - 50
3-Aminomethyl-3,5,5-trimethyl- cyclohexylamine		2855-13-2	20 - 30
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylo yclohexylamine	;	38294-64-3	Proprietary
4-Tert-butylphenol		98-54-4	Proprietary
Amines, polyethylenepoly-, triethylenetetramine fraction		90640-67-8	Proprietary
N,N-Bis(2-aminoethyl)ethylene diamine		4097-89-6	Proprietary
Triethylenetetramine		112-24-3	Proprietary
omposition comments . First-aid measures	All concentrations are in percent by weight unle The specific chemical identity and/or exact perc trade secret.		have been withheld
nhalation	Move to fresh air. Oxygen or artificial respiratio	n if needed. Do not use m	
	victim inhaled the substance. Induce artificial re with a one-way valve or other proper respirator immediately.	espiration with the aid of a	pocket mask equip
kin contact	victim inhaled the substance. Induce artificial re with a one-way valve or other proper respirator	espiration with the aid of a y medical device. Get me nd wash skin with soap an	pocket mask equip dical attention d water. Call a phys
	victim inhaled the substance. Induce artificial re with a one-way valve or other proper respirator immediately. Remove contaminated clothing immediately an or poison control center immediately. Chemical	espiration with the aid of a ry medical device. Get me nd wash skin with soap an I burns must be treated by at least 15 minutes. Reme	pocket mask equip dical attention d water. Call a phys a physician. Wash ove contact lenses,
Skin contact Eye contact Ingestion	victim inhaled the substance. Induce artificial re with a one-way valve or other proper respirator immediately. Remove contaminated clothing immediately an or poison control center immediately. Chemical contaminated clothing before reuse. Immediately flush eyes with plenty of water for	espiration with the aid of a ry medical device. Get me nd wash skin with soap an I burns must be treated by at least 15 minutes. Rem a physician or poison con diately. Rinse mouth. Do r	pocket mask equip dical attention d water. Call a physician wash ove contact lenses, trol center immedia not induce vomiting
ye contact	victim inhaled the substance. Induce artificial re with a one-way valve or other proper respirator immediately. Remove contaminated clothing immediately an or poison control center immediately. Chemical contaminated clothing before reuse. Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Call a Call a physician or poison control center immediately	espiration with the aid of a ry medical device. Get me ad wash skin with soap an I burns must be treated by at least 15 minutes. Rema a physician or poison con diately. Rinse mouth. Do r ch content doesn't get into e. Causes respiratory trac ptoms may include stingin mage including blindness	pocket mask equip dical attention d water. Call a physic a physician. Wash ove contact lenses, trol center immedia not induce vomiting the lungs. the burns. Causes dig g, tearing, redness could result. Low v



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. Alcohol resistant foam. Powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	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	Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	This product is not flammable. However: Will burn if involved in a fire.
6. Accidental release meas	sures
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. 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. Ensure adequate ventilation. 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	This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: 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. 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.
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 breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Persons susceptible to allergic reactions should not handle this product. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

### **Occupational exposure limits**

#### US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Туре	Value	
Benzyl alcohol (CAS 100-51-6)	TWA	44.2 mg/m3	
		10 ppm	
Triethylenetetramine (CAS 112-24-3)	TWA	6 mg/m3	
		1 ppm	
logical limit values	No biological exposure limits noted	for the ingredient(s).	



#### Exposure guidelines

Exposure guidennes		
US WEEL Guides: Skin des	signation	
Triethylenetetramine (CA	AS 112-24-3) Can be absorbed through the skin.	
Appropriate engineering controls	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. Eye wash facilities and emergency shower must be available when handling this product.	
Individual protection measures	, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield.	
Skin protection		
Hand protection	Wear appropriate chemical resistant gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.	
Skin protection		
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.	
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Chemical respirator with organic vapor cartridge and full facepiece. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4.	
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.	
General hygiene considerations	Observe any medical surveillance requirements. Keep away from food and drink. 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. Contaminated work clothing should not be allowed out of the workplace.	

# 9. Physical and chemical properties

	•
Appearance	Pale liquid.
Physical state	Liquid.
Form	Liquid.
Color	Yellow.
Odor	Amine-like.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	392 °F (200 °C)
Flash point	230.0 °F (110.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.01
Relative density temperature	68 °F (20 °C)
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
DUNAPOX H 156 HARDENER	



Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

# 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.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Avoid temperatures exceeding the flash point.
Incompatible materials	Strong acids. Strong oxidizing agents. Alkaline metals. Peroxides. Phenols. Copper and copper alloys. Acid chlorides. Acid anhydrides.
Hazardous decomposition products	Ammonia. Carbon oxides. Hydrocyanic acid gas. Nitrogen oxides. Phenolic compounds.

# 11. Toxicological information

#### Information on likely routes of exposure

Inhalation	Causes respiratory tract burns.
Skin contact	Causes severe skin burns. Harmful in contact with skin. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Causes digestive tract burns. Harmful if swallowed. Suspected of damaging fertility by ingestion.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes digestive tract burns. Causes respiratory tract burns. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Low vapor concentrations may cause a temporary visual disturbance known as "blue haze" or "halo vision".

#### Information on toxicological effects

Acute toxicity	Harmful in contact with skin. Ha	rmful if swallowed.
Components	Species	Test Results
3-Aminomethyl-3,5,5-trimet	thyl-cyclohexylamine (CAS 2855-13-2)	
<u>Acute</u>		
Oral		
LD50	Rat	1030 mg/kg
4-Tert-butylphenol (CAS 98	3-54-4)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	2318 mg/kg
Oral		
LD50	Rat	3620 mg/kg
Benzyl alcohol (CAS 100-5	1-6)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	2000 mg/kg
Inhalation		
Aerosol		
LC50	Rat	> 4.178 mg/l, 4 Hours
Oral		
LD50	Rat	1610 mg/kg
Triethylenetetramine (CAS	112-24-3)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	805 mg/kg



Skin corrosion/irritation	Causes severe skin burns and eye damage.		
Serious eye damage/eye irritation	Causes serious eye damage.		
Respiratory or skin sensitizatior	1		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.		
Skin sensitization	May cause an allergic skin reaction.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	Not classifiable as to carcinogenicity to humans.		
IARC Monographs. Overall Evaluation of Carcinogenicity			
Not listed.			
NTP Report on Carcinogens	i		
Not listed.			
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)			
Not regulated.			
Reproductive toxicity	Suspected of damaging fertility.		
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Prolonged inhalation may be harmful.		
12 Ecological information			

## 12. Ecological information

cotoxicity	Toxic to a	quatic life with long lasting effects.	
Components		Species	Test Results
3-Aminomethyl-3,5,5-trimeth	yl-cyclohexyl	amine (CAS 2855-13-2)	
Aquatic			
Acute			
Algae	EC50	Scenedesmus subspicatus	> 50 mg/l, 72 hours
Crustacea	EC50	Daphnia magna	23 mg/l, 48 hours
Fish	LC50	Leuciscus idus	110 mg/l, 96 hours
Chronic			
Algae	EC50	Scenedesmus subspicatus	11 mg/l, 72 hours
Crustacea	NOEC	Daphnia magna	3 mg/l, 21 days
4-Tert-butylphenol (CAS 98-	54-4)		
Aquatic			
Acute			
Algae	EC50	Selenastrum capricornutum	2.4 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna	3.4 mg/l, 48 Hours
Fish	LC50	Cyprinus carpio	5.1 mg/l, 96 Hours
Chronic			
Crustacea	NOEC	Daphnia magna	0.73 mg/l, 21 days
Fish	NOEC	Pimephales promelas	0.01 mg/l, 128 days
Benzyl alcohol (CAS 100-51	-6)		
Aquatic			
Acute			
Algae	EC50	Algae	700 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna	202 mg/l, 48 Hours
Fish	LC50	Fathead minnow (Pimephales promelas)	460 mg/l, 96 hours
ersistence and degradability	The produ	ict is not expected to be biodegradable.	
oaccumulative potential			



### Partition coefficient n-octanol / water (log Kow)

Benzyl alcohol (CAS 100-51-6	) 1.1
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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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	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 UN2735 **UN number** UN proper shipping name Amines, liquid, corrosive, n.o.s (3-Aminomethyl-3.5,5-trimethyl-cyclohexylamine, 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine) Transport hazard class(es) Class 8 Subsidiary risk \_ 8 Label(s) **Packing group** Ш **Environmental hazards** Marine pollutant Yes Special precautions for user Read safety instructions, SDS and emergency procedures before handling. IB3, T7, TP1, TP28 Special provisions **Packaging exceptions** 154 203 Packaging non bulk Packaging bulk 241 ΙΑΤΑ UN2735 **UN number** Amines, liquid, corrosive, n.o.s. (3-Aminomethyl-3,5,5-trimethyl-cyclohexylamine, UN proper shipping name 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine) Transport hazard class(es) 8 Class Subsidiary risk **Packing group** Ш **Environmental hazards** Yes ERG Code 8L Special precautions for user Read safety instructions, SDS and emergency procedures before handling. IMDG UN2735 **UN number** AMINES, LIQUID, CORROSIVE, N.O.S. (3-Aminomethyl-3,5,5-trimethyl-cyclohexylamine, UN proper shipping name 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine) Transport hazard class(es) Class 8 Subsidiary risk Ш Packing group **Environmental hazards** Marine pollutant Yes



EmS Special precautions for use Transport in bulk according to Annex II of MARPOL 73/78 and	F-A, S-B r Read safety instructions, SDS and emergency procedures before han Not established.	udling.
the IBC Code		
General information	IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.	
15. Regulatory information	1	
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Haz Standard, 29 CFR 1910.1200. All components are listed on or exempt from the U.S. EPA TSCA Inve	
TSCA Section 12(b) Export	Notification (40 CFR 707, Subpt. D)	
Not regulated. OSHA Specifically Regulate Not regulated.	d Substances (29 CFR 1910.1001-1050)	
CERCLA Hazardous Substa	nce List (40 CFR 302.4)	
Not listed.		
Superfund Amendments and Re Hazard categories	authorization Act of 1986 (SARA) Immediate Hazard - Yes	
nazaru calegories	Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely hazard	-	
Not listed.		
SARA 311/312 Hazardous chemical	Yes	
SARA 313 (TRI reporting) Not regulated.		
Other federal regulations		
Clean Air Act (CAA) Section	112 Hazardous Air Pollutants (HAPs) List	
· · ·	112(r) Accidental Release Prevention (40 CFR 68.130)	
Not regulated.		
Safe Drinking Water Act (SDWA)	Not regulated.	
US state regulations	California Safe Drinking Water and Toxic Enforcement Act of 1986 (P is not known to contain any chemicals currently listed as carcinogens	
US. Massachusetts RTM		
Benzyl alcohol (CAS Triethylenetetramine <b>US. New Jersey Worker</b>		
3-Aminomethyl-3,5,5 Triethylenetetramine	-trimethyl-cyclohexylamine (CAS 2855-13-2)	
Benzyl alcohol (CAS Triethylenetetramine US. Rhode Island RTK	100-51-6)	
Not regulated.		
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
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
		0.50.110



Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
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	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies 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).

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

Issue date	12-May-2017
Revision date	-
Version #	01
HMIS® ratings	Health: 3* Flammability: 1 Physical hazard: 0
NFPA ratings	

Disclaimer

DUNA-USA Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

