HUNTSMAN

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Safety Data Sheet

according to Regulation (EC) 1907/2006 (REACH)

Revision date: 2020-07-31

Supercedes: 2019-06-19

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:

Product trade name:	NYCHEM* 1562X103 Emulsion
Company product number:	HYC1562X103
REACH registration number:	Mixture
Other means of identification:	Not Available

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Uses:	Nitrile emulsion for coatings.
Uses advised against:	None identified

1.3. Details of the supplier of the safety data sheet:

Manufacturer/Supplier:	CVC Thermoset Specialties 240 W Emerling Avenue Akron, OH 44301 United States Telephone: +1-330-374-2501 Customer service telephone: +1-856-533-3000
For further information about this SDS:	Email: cts.customerservice@huntsman.com

1.4. Emergency telephone number:

ChemTel (24 hours): 1-800-255-3924 (USA); +1-813-248-0585 (outside USA).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Product classification according to Regulation (EC) 1272/2008 (CLP) as amended:

Allergic effects, EUH208

2.2. Label elements:

Product labeling according to Regulation (EC) 1272/2008 (CLP) as amended:

Hazard pictogram(s):	Not Applicable
Signal word:	Not Applicable

Hazard statements:

EUH208 Contains tert-Dodecyl mercaptan. May produce an allergic reaction.

Precautionary statements:	Not Applicable
Supplemental information:	Safety data sheet available on request. 1-5 percent of the mixture consists of ingredient(s) of unknown acute toxicity. Contains 1-5 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards:

PBT/vPvB criteria:	Not Available
Other hazards:	No Additional Information

See Section 11 for toxicological information.

SECTION 3: Composition/information on ingredients

3.2. Mixture:

CAS-No.	Chemical Name	Weight%	Classification	H Statements
0061790-50-9	Potassium resinate	1-<3	Eye Irrit. 2	H319
25103-58-6	tert-Dodecyl mercaptan	0.1-<0.3	Aquatic Chronic 4- Eye Irrit. 2- Skin Irrit. 2- Skin Sens. 1B	H315-317-319-413

CAS-No.	Chemical Name	Weight%	REACH Registration No.	EC/List Number
0061790-50-9	Potassium resinate	1-<3	Not Available	263-142-4
25103-58-6	tert-Dodecyl mercaptan	0.1-<0.3	Not Available	246-619-1

See Section 16 for full text of H (Hazard) statements (EC 1272/2008).

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

SECTION 4: First aid measures

4.1. Description of first aid measures:

General: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye contact: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin contact: Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water until no evidence of the chemical remains (at least 15-20 minutes). Launder clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Inhalation: If affected, remove to fresh air. Get medical attention if symptoms occur.

Ingestion: Get medical attention if symptoms occur.

Protection of first aid responders: Wear proper personal protective clothing and equipment.

4.2. Most important symptoms and effects, both acute and delayed:

Irritation. Pre-existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

4.3. Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media:

Suitable: Being an aqueous system, product is not a fire hazard, as supplied. After water is evaporated, dry solids could burn. Water spray, ABC dry chemical and protein type air foams are effective. Carbon dioxide may be ineffective on larger fires due to a lack of cooling capacity, which may result in reignition.

Unsuitable: None known.

5.2. Special hazards arising from the substance or mixture:

Unusual fire/explosion hazards: None known for the product as delivered (water solution).

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (10.6 Hazardous decomposition products) for additional information.

5.3. Advice for firefighters:

Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

See section 9 for additional information.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate. Personal Protective Equipment must be worn.

6.2. Environmental precautions:

Do not flush liquid into public sewer, water systems or surface waters.

6.3. Methods and material for containment and cleaning up:

Contain spill. Wear proper personal protective clothing and equipment. Recover as much as possible for reuse. Absorb spill with an inert material. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and launder before reuse. Wash the spill area with soap and water. CAUTION: Spilled liquid and dried film are slippery. Use care to avoid falls.

6.4. References to other sections:

See Section 8 for recommendations on the use of personal protection and Section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

As with any chemical product, use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage.

7.2. Conditions for safe storage, including any incompatibilities:

Product quality degrades after freeze-thaw cycle. Recommend transportation and storage above 60°F (16°C). If product is stored, unopened at 60-90°F (16-32°C), then optimal performance has been reported up to six months from ship date. Store this material away from incompatible substances (see section 10). Do not allow product to freeze. Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

7.3. Specific end use(s):

No Additional Information

SECTION 8: Exposure controls / personal protection

8.1. Control parameters:

Occupational exposure limits (OEL):

Chemical Name	EU OELV	EU IOELV	ACGIH - TWA/Ceiling	ACGIH - STEL
Potassium resinate	N/E	N/E	N/E	N/E
tert-Dodecyl mercaptan	N/E	N/E	0.1 ppm TWA (dermal sensitizer)	N/E

Chemical Name	UK WEL	Ireland OEL
Potassium resinate	N/E	N/E
tert-Dodecyl mercaptan	N/E	0.1 ppm TWA, 0.3 ppm STEL (Sensitizer)

N/E=Not established (no exposure limits established for the listed substances for listed country/region/organization).

8.2. Exposure controls:

Appropriate engineering controls: Always provide effective general and, when necessary, local exhaust ventilation to draw

spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear eye protection.

Hand protection: Avoid skin contact when mixing or handling the material by wearing impervious and chemical resistant gloves. In case of prolonged immersion or frequently repeated contact, gloves with breakthrough times greater than 240 minutes (protection class 5 or greater) are recommended. For brief contact or splash applications, gloves with breakthrough times of 10 minutes or greater are recommended (protection class 1 or greater). The protective gloves to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN 374. Suitability and durability of a glove is dependent on usage (e.g. frequency and duration of contact, other chemicals which may be handled, chemical resistance of glove material and dexterity). Always seek advice of the glove supplier as to the most suitable glove material.

Skin and body protection: Use good laboratory/workplace procedures including personal protective clothing: labcoat, safety glasses and protective gloves.

Respiratory protection: Respiratory protection is not needed with proper ventilation. Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the applicable exposure limit(s) of any chemical substance listed in this SDS.

Further information: Eyewash fountains and safety showers are recommended in the work area.

Environmental exposure controls: See Sections 6 and 12.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Form:	Liquid	**pH:**	10-10.8
Appearance:	Milky	**Relative density:**	0.99
Odour:	Slight	**Partition coefficient (n-octanol/water):**	Not Available
Odour threshold:	Not Available	**% Volatile by weight:**	59%
Solubility in water:	Dilutable	**VOC:**	<0.5%
Evaporation rate:	Slower than n-butyl acetate	**Boiling point °C:**	100°C
Vapour pressure:	18 mm Hg @ 20°C	**Boiling point °F:**	212°F
Vapour density:	Not Available	**Flash point:**	Not Applicable
Viscosity:	1 - 200 cps	**Autoignition temperature:**	Not Available
Melting point/Freezing point:	Not Available	**Flammability (solid, gas):**	Not Applicable (liquid)
Oxidising properties:	Not oxidizing	**Flammability or explosive limits:**	LFL/LEL: Not Available
Explosive properties:	Not explosive		UFL/UEL: Not Available
Decomposition temperature:	Not Available	**Surface tension:**	

9.2. Other information:

Amounts specified are typical and do not represent a specification.

SECTION 10: Stability and reactivity

10.1. Reactivity:

None known.

10.2. Chemical stability:

This product is stable. Product quality degrades after freeze-thaw cycle.

10.3. Possibility of hazardous reactions:

Hazardous polymerization will not occur.

10.4. Conditions to avoid:

Do not freeze.

10.5. Incompatible materials:

Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products:

After water is evaporated, decomposition or combustion of the dry solids may generate irritating vapors, CO, CO2, oxides of nitrogen, monomers and hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Information on likely routes of exposure:

General: Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

Eyes: Vapors or direct eye contact may cause irritation.

Skin: Repeated or prolonged skin contact may cause allergic reactions.

Inhalation: Overexposure to aerosol, vapor or mist may cause eye and respiratory tract irritation, dizziness, headache, nausea and flu-like symptoms.

Ingestion: Ingestion may cause irritation.

Acute toxicity information: Not classified (based on available data, the classification criteria are not met). No toxicity studies have been conducted on this product. ATEmix (oral): >5000 mg/kg. ATEmix (dermal): >2000 mg/kg. The physical, chemical and toxicological properties of component(s) of this mixture may have not been fully determined.

Chemical Name	Inhalation LC50	Species	Oral LD50	Species	Dermal LD50	Species
Potassium resinate	N/E	N/E	>2000 mg/kg (similar materials)	Rat/ adult female	>2000 mg/kg	Rat/ adult
tert-Dodecyl mercaptan	>12 mg/L (NOEC, 4 hours)	Rat/ adult	4380 mg/kg	Rat/ adult	>2000 mg/kg	Rabbit/ adult

Skin corrosion/irritation: Not classified (based on available data, the classification criteria are not met).

Chemical Name	Skin irritation	Species
Potassium resinate	Non-irritant	Rabbit/ adult
tert-Dodecyl mercaptan	Moderate irritant	Rabbit/ adult

Serious eye damage/irritation: Not classified (based on available data, the classification criteria are not met).

Chemical Name	Eye irritation	Species
Potassium resinate	Irritant	Rabbit/ adult
tert-Dodecyl mercaptan	Mild-moderate irritant	Rabbit/ adult

Respiratory or skin sensitization: Not classified (based on available data, the classification criteria are not met).

Chemical Name	Skin sensitisation	Species
Potassium resinate	Non-sensitizer	Guinea Pig/ adult
tert-Dodecyl mercaptan	Weak sensitizer	Mouse/Local lymph node assay

Carcinogenicity: Not classified.

Germ cell mutagenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity (STOT) - single exposure: Not classified.

Specific target organ toxicity (STOT) - repeated exposure: Not classified.

Aspiration hazard: Not classified (based on available data, the classification criteria are not met).

Other toxicity information: No additional information available.

SECTION 12: Ecological information

12.1. Toxicity:

No ecological testing has been conducted on this product. TERTIARY DODECYL MERCAPTAN: This substance showed no toxicity to: fish, algae, bacteria, or invertebrates at the solubility limit.

Chemical Name	Species	Acute	Acute	Chronic
Potassium resinate	Fish	N/E	N/E	N/E
Potassium resinate	Invertebrates	N/E	N/E	N/E
Potassium resinate	Algae	N/E	N/E	N/E
tert-Dodecyl mercaptan	Fish	LL50 >100 mg/L (96 hours)	LC50 >water solubility(96 hours)	N/E
tert-Dodecyl mercaptan	Invertebrates	EC50 >0.056 mg/L (48 hours) (>water solubility)	EC50 3.9 mg/L(24 hours)	NOEC 0.0108 mg/L (21 days) (>water solubility)
tert-Dodecyl mercaptan	Algae	EL50 >100 mg/L (72 hours)	N/E	NOEC 3.2 mg/L(72 hours)

12.2. Persistence and degradability:

No specific information available.

Chemical Name	Biodegradation
Potassium resinate	Readily biodegradable (OECD 301D)
tert-Dodecyl mercaptan	Not readily biodegradable (OECD 301D)

12.3. Bioaccumulative potential:

No specific information available.

Chemical Name	Bioconcentration Factor (BCF)	Log Kow
Potassium resinate	N/E	5.046
tert-Dodecyl mercaptan	>500-<1950 (Danio rerio)	>6.2

12.4. Mobility in soil:

No specific information available.

Chemical Name	Mobility in soil (Koc/Kow)
Potassium resinate	N/E
tert-Dodecyl mercaptan	N/E

12.5. Results of PBT and vPvB assessment:

Not Available

12.6. Other adverse effects:

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Dispose of unused contents (incineration) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate.

See Section 8 for recommendations on the use of personal protective equipment.

SECTION 14: Transport information

The information below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions.

14.1. UN number: N/A

14.2. UN proper shipping name:

Not regulated - See Bill of Lading for Details

14.3. Transport hazard class(es):

U.S. DOT hazard class: N/A
Canada TDG hazard class: N/A

Europe ADR/RID hazard class: N/A
IMDG Code (ocean) hazard class: N/A
ICAO/IATA (air) hazard class: N/A

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

14.4. Packing group: N/A

14.5. Environmental hazards:

Marine pollutant: Not Applicable

Hazardous substance (USA): Not Applicable

14.6. Special precautions for user:

Not Applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code:

Not Applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Europe REACh (EC) 1907/2006: One or more applicable components of this mixture are not registered. Please contact your sales representative for further information regarding REACh compliance. REACh is only relevant to substances either manufactured or imported into the EU. REACh information regarding this product is provided for informational purposes only. Each Legal Entity may have differing REACh obligations, depending on their place in the supply chain. For material manufactured outside of the EU, the importer of record must understand and meet their specific obligations under the regulation.

EU Authorizations and/or restrictions on use: Not Applicable

Other EU information: No Additional Information

National regulations: No Additional Information

Chemical inventories:

Regulation	Status
Australian Inventory of Chemical Substances (AICS):	Y
Canadian Domestic Substances List (DSL):	Y
Canadian Non-Domestic Substances List (NDSL):	N
China Inventory of Existing Chemical Substances (IECSC):	Y
European EC Inventory (EINECS, ELINCS, NLP):	Y
Japan Existing and New Chemical Substances (ENCS):	N
Japan Industrial Safety and Health Law (ISHL):	N
Korean Existing and Evaluated Chemical Substances (KECL):	N
New Zealand Inventory of Chemicals (NZIoC):	Y
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Y
Taiwan Inventory of Existing Chemicals:	N
U.S. Toxic Substances Control Act (TSCA) (Active):	Y

A "Y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more components: 1) there is no listing on the public inventory (or is not on the ACTIVE inventory for U.S. TSCA); 2) no information is available; or 3) the component has not been reviewed. A "Y" for New Zealand may mean that a qualified group standard may exist for the components in this product.

15.2. Chemical safety assessment:

Not Applicable

SECTION 16: Other information

Hazard (H) Statements in the Composition section (Section 3):

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

H413	May cause long lasting harmful effects to aquatic life.

Reason for revision: Changes in Section(s): 1

Evaulation method for classification of mixtures: Calculation method

Legend:
* : Trademark owned by Huntsman Corporation.
ACGIH: American Conference of Governmental Industrial Hygienists
EU OELV: European Union Occupational Exposure Limit Value
EU IOELV: European Union Indicative Occupational Exposure Limit Value
N/A: Not Applicable
N/E: None Established
STEL: Short Term Exposure Limit
TWA: Time Weighted Average (exposure for 8-hour workday)

Users Responsibility/Disclaimer of Liability:
The information set forth herein is based on our current knowledge, and is intended to describe the product solely with respect to health, safety and the environment. As such, it must not be interpreted as a guarantee of any specific property of the product. As a result, the customer shall be solely responsible for deciding whether said information is suitable and beneficial.

Safety Data Sheet Preparer:
Product Compliance Department