

SAFETY DATA SHEET

Residuum - Elevated Temperature

Section 1. Identification

Product name : Residuum - Elevated Temperature

Product code : Not available.

Synonyms : AC-10, AC-10000, AC-20, Asphalt, Coker Charge, Crude Reduced Crude, Crude TWR

BTMS, Crude Vac Bottoms, Decant Oil, PDA Bottoms, PG 58-28, Pitch, RC-6000,

Residuum, Slurry Reflux/Slurry Recycle, Vacuum Tower Bottoms (VTB)

Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial: Intermediate.

Area of application : Industrial applications.

Manufacturer : HF Sinclair

2828 North Harwood

Suite 1300

Dallas, Texas 75201

USA

Customer Service: (214) 954-6720

e-mail address of person responsible for this SDS

: hfcsds@hollyfrontier.com

Emergency telephone

: CHEMTREC® (800) 424-9300

number CCN 201319

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the substance or mixture

: H351 CARCINOGENICITY - Category 2

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H351 - Suspected of causing cancer.

Precautionary statements

Prevention : Øbtain special instructions before use. Do not handle until all safety precautions have

been read and understood. Wear protective gloves: > 8 hours (breakthrough time): Recommended: Wear heat resistant gloves when used at elevated temperatures.. Wear

protective clothing. Wear eye or face protection.

Response : Fexposed or concerned: Get medical advice or attention.

Storage : Not applicable.

Disposal : Dispose of contents and container in accordance with all local, regional, national and

international regulations.

Supplemental label

elements

: Heated material can cause thermal burns.

Hazards not otherwise

classified

: May release hydrogen sulfide a poisonous gas that can accumulate in confined spaces.

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Section 3. Composition/information on ingredients

Substance/mixture : Multi-constituent substance

CAS number/other identifiers

CAS number : Not available.

Ingredient name	Other names	%	CAS number
K sphalt	-	0 - 100	8052-42-4
Residues (petroleum), vacuum	-	0 - 100	64741-56-6
Residues (petroleum), hydrodesulfurized	-	0 - 100	64742-85-4
vacuum			
hydrogen sulphide	-	0.0001	7783-06-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Get medical attention. Continue to

rinse for at least 15 minutes.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not

breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.

Continue to rinse for at least 15 minutes. Get medical attention. Wash clothing before

reuse. Clean shoes thoroughly before reuse.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Wash out mouth

with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Slightly irritating to the eyes. Possible tearing, burning sensation and redness.

Inhalation : Mist/high concentrations: Inhalation may cause irritation to the nose, throat, upper

respiratory tract and lungs.

Skin contactIngestionNo known significant effects or critical hazards.No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

HF Sinclair

Residuum-Elevated Temperature

Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

Protection of medical responders

: No specific treatment.

: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: Do not use water jet.

carbon monoxide

Specific hazards arising from the chemical

Hazardous thermal decomposition products

: In a fire or if heated, a pressure increase will occur and the container may burst. May release hydrogen sulfide a poisonous gas that can accumulate in confined spaces.

: Decomposition products may include the following materials: carbon dioxide

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. May release hydrogen sulfide a poisonous gas that can accumulate in confined spaces.

For emergency responders

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, waterways, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. High pressure skin injections are serious medical emergencies. Injury will not appear serious at first. Within a few hours, tissue will become swollen, discolored and extremely painful. May release hydrogen sulfide a poisonous gas that can accumulate in confined spaces.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Asphalt	NIOSH REL (United States, 10/2016).
	CEIL: 5 mg/m³ 15 minutes. Form: Fume
	ACGIH TLV (United States, 3/2020).
	TWA: 0.5 mg/m³, (as benzene soluble aerosol) 8 hours. Form: Inhalable fraction
Residues (petroleum), vacuum	None.
Residues (petroleum), hydrodesulfurized	None.
vacuum	
hydrogen sulphide	ACGIH TLV (United States, 3/2020).
	TWA: 1 ppm 8 hours.
	STEL: 5 ppm 15 minutes.
	OSHA PEL Z2 (United States, 2/2013).
	CEIL: 20 ppm
	AMP: 50 ppm 10 minutes.
	NIOSH REL (United States, 10/2016).
	CEIL: 10 ppm 10 minutes.
	CEIL: 15 mg/m³ 10 minutes.

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. May release hydrogen sulfide a poisonous gas that can accumulate in confined spaces.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

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Residuum- Elevated Temperature HF Sinclair : Wash hands, forearms and face thoroughly after handling chemical products, before **Hygiene measures** eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. : Safety eyewear complying with an approved standard should be used when a risk Eye/face protection assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. **Skin protection Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): Recommended: Wear heat resistant gloves when used at elevated temperatures. **Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. **Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid. [Viscous] Color Black./Dark brown.

Odor Asphalt **Odor threshold** : Not available.

pH : Not applicable. **Melting point** : Not available.

Boiling point, initial boiling point, and boiling range

: 219 to 505°C (426 to 941°F)

Flash point : Closed cup: 158 to 275°C (316 to 527°F)

Evaporation rate Not available. **Flammability** Not available. Lower and upper explosion : Not applicable. limit/flammability limit

Vapor pressure : Not available. Relative vapor density Not available. 0.916 to 1.07 Relative density **Density** Not available.

Solubility Insoluble in the following materials: cold water and hot water.

Partition coefficient: n-: ≥4

octanol/water

Auto-ignition temperature : Not applicable. **Decomposition temperature** : Not available. **SADT** Not available.

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Viscosity

: Kinematic (40°C (104°F)): 0.2883 to 10.84 cm²/s (28.83 to 1084 cSt)

Flow time (ISO 2431)

: Not available.

Particle characteristics

Median particle size

: Not applicable.

Additional information

Physical/chemical properties comments

: No additional information.

Section 10. Stability and reactivity

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

Chemical stability: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.
Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid : No specific data.

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
∡ sphalt	LD50 Dermal	Rabbit	>2000 mg/kg	-
•	LD50 Oral	Rat	>5000 mg/kg	-
Residues (petroleum), vacuum	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Residues (petroleum), hydrodesulfurized vacuum	LD50 Dermal	Rabbit	>2000 mg/kg	-
•	LD50 Oral	Rat	>5000 mg/kg	-
hydrogen sulphide	LC50 Inhalation Gas.	Rat	444 ppm	4 hours

Conclusion/Summary

Irritation/Corrosion

: Based on CONCAWE assessment of bitumen.

Not available.

Conclusion/Summary

Skin

: Heated material can cause thermal burns.

Based on CONCAWE assessment of bitumen. May cause slight transient irritation.

Eyes

: Heated material can cause thermal burns.

Based on CONCAWE assessment of bitumen. May cause slight transient irritation.

Sensitization

Conclusion/Summary

Skin

: Based on CONCAWE assessment of bitumen. Not sensitizing.

Respiratory

: No data available.

Mutagenicity

Conclusion/Summary

: Based on CONCAWE assessment of bitumen. No mutagenic effect.

Carcinogenicity

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Product/ingredient name	OSHA	IARC	NTP
Asphalt	-	2B	-
Residues (petroleum),	-	2B	-
vacuum			

Reproductive toxicity

Conclusion/Summary: No data available.

Teratogenicity

Conclusion/Summary : No data available.

Specific target organ toxicity (single exposure)

Name	• •	Route of exposure	Target organs
rydrogen sulphide	Category 3		Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	• •	Route of exposure	Target organs
ydrogen sulphide	Category 2	inhalation	lungs

Aspiration hazard

Not available.

Information on the likely routes of exposure

: Routes of entry anticipated: Oral, Dermal, Inhalation.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : Based on CONCAWE assessment of bitumen. No systemic toxicity.

General: No known significant effects or critical hazards.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: No known significant effects or critical hazards.Teratogenicity: No known significant effects or critical hazards.Developmental effects: No known significant effects or critical hazards.Fertility effects: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Residuum- Elevated Temperature HF Sinclain					HF Sinclair
Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
Residuum - Elevated Temperature	N/A	3750	N/A	N/A	N/A
Asphalt	N/A	2500	N/A	N/A	N/A
Residues (petroleum), vacuum	N/A	2500	N/A	N/A	N/A
Residues (petroleum), hydrodesulfurized vacuum	N/A	2500	N/A	N/A	N/A
hydrogen sulphide	N/A	N/A	444	N/A	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
ydrogen sulphide	1 0	Crustaceans - Gammarus pseudolimnaeus	2 days
	Acute LC50 2 μg/l Fresh water	Fish - Coregonus clupeaformis - Yolk-sac fry	96 hours

Conclusion/Summary: No data available.

Persistence and degradability

Conclusion/Summary : Based on CONCAWE assessment of bitumen.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Asphalt	-	-	Not readily
Residues (petroleum),	-	-	Not readily
vacuum Residues (petroleum),	_	-	Not readily
hydrodesulfurized vacuum			

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Residuum - Elevated Temperature	≥4	-	high
Asphalt Residues (petroleum),	≥4 ≥4	-	high high
Residues (petroleum), hydrodesulfurized vacuum	≥4	-	high

Mobility in soil

Soil/water partition : Not coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

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Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	UN3257	UN3257	UN3257
UN proper shipping name	Elevated temperature liquid, n.o. s. (Asphalt)	ELEVATED TEMPERATURE LIQUID, N.O.S. (Asphalt)	Elevated temperature liquid, n.o. s. (Asphalt)
Transport hazard class(es)	9	9	9
Packing group	III	III	III
Environmental hazards	No.	No.	No.

Additional information

DOT Classification

: Limited quantity No.

Packaging instruction Exceptions: None. Non-bulk: None. Bulk: 247.

Quantity limitation Passenger aircraft/rail: Forbidden. Cargo aircraft: Forbidden.

Special provisions IB1, T3, TP3, TP29

Remarks The HOT placard is required for product being shipped in bulk at elevated

temperature.

IMDG Emergency schedules F-A, S-P

Special provisions 232, 274

Quantity limitation Passenger and Cargo Aircraft: Forbidden. Packaging instructions: **IATA**

Forbidden. Cargo Aircraft Only: Forbidden. Packaging instructions: Forbidden. Limited

Quantities - Passenger Aircraft: Forbidden. Packaging instructions: Forbidden.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the

event of an accident or spillage.

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Section 15. Regulatory information

U.S. Federal regulations

: United States inventory (TSCA 8b): At least one component is inactive.

Clean Water Act (CWA) 311: hydrogen sulphide

<u>Department of homeland security (DHS), Chemical Facility Anti-terrorism Standards (6 CFR 27), Appendix A, Chemicals of Interest</u>

	Name	%	Status
Security	ydrogen sulphide	0.0001	Listed

SARA 302/304

Composition/information on ingredients

			SARA 302 T	PQ	SARA 304 F	RQ
Name	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)
kýdrogen sulphide	0.0001	Yes.	500	-	100	-

SARA 304 RQ : 100000000 lbs / 45400000 kg [12077956.9 gal / 45720040.3 L]

SARA 311/312

Classification : CARCINOGENICITY - Category 2

Composition/information on ingredients

Name	%	Classification
Asphalt Residues (petroleum), vacuum hydrogen sulphide	0 - 100 0 - 100 0.0001	CARCINOGENICITY - Category 2 CARCINOGENICITY - Category 2 FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Compressed gas ACUTE TOXICITY (inhalation) - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

SARA 313

Not applicable.

State regulations

Massachusetts : ▶ The following components are listed: ASPHALT FUMES; ASPHALT (LIQUID RAPID-

CURING); ASPHALT (CUTBACK)

New York : None of the components are listed.

New Jersey : The following components are listed: ASPHALT; ROAD ASPHALT, LIQUID; BITUMEN;

ASPHALT (TYPICAL)

Pennsylvania : The following components are listed: ASPHALT

California Prop. 65

WARNING: This product can expose you to Bitumens, extracts of steam-refined and air refined, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	•	Maximum acceptable dosage level
Bitumens, extracts of steam-refined and air refined	-	-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : MI components are listed or exempted.

Canada : MI components are listed or exempted.

Canada : MI components are listed or exempted.

China : Not determined.

Europe : MI components are listed or exempted.

Japan inventory (CSCL): Not determined.

Japan inventory (ISHL): Not determined.

Malaysia : Not determined

New Zealand : Not determined.

Philippines : MI components are listed or exempted.

Republic of Korea : MI components are listed or exempted.

Taiwan : Not determined.

Turkey : Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method

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Key to abbreviations

: ATE = Acute Toxicity Estimate

AMP = Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available UN = United Nations

▼ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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