

Safety Data Sheet per OSHA HazCom 2012

Reviewed on 03/12/20
1 Identification
Product identifier
Product name: <u>Triphenylarsine</u>
Stock number: L03616 CAS Number:
603-32-7 EC number:
210-032-9
Index number: 033-002-00-5
Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development
Details of the supplier of the safety data sheet
Manufacturer/Supplier: Alfa Aesar
Thermo Fisher Scientific Chemicals, Inc.
30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757
Tel: 800-343-0660 Fax: 800-322-4757
Email: tecn@aira.com
www.alfa.com Information Department: Health, Safety and Environmental Department
Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.
2 Hazard(s) identification
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
GHS06 Skull and crossbones
Acute Tox. 3 H301 Toxic if swallowed.
Acute Tox. 3 H331 Toxic if inhaled. Hazards not otherwise classified No information known.
Label elements
GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms
GHS06
Signal word Danger
Hazard statements H301+H331 Toxic if swallowed or if inhaled.
Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311 Call a POISON CENTER/doctor/
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS classification
D1A - Very toxic material causing immediate and serious toxic effects D2A - Very toxic material causing other toxic effects
Classification system
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
HEALTH 2 Health (acute effects) = 2 FIRE 1 Flammability = 1 REACTIVITY 1 Physical Hazard = 1
Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable. vPvB: Not applicable.
3 Composition/information on ingredients
Chemical characterization: Substances
CAS# Description:
603-32-7 Triphenylarsine Identification number(s):
EC number: 210-032-9 ´ Index number: 033-002-00-5
4 First-aid measures
Description of first aid measures General information
Immediately remove any clothing soiled by the product. Remove breathing apparatus only after contaminated clothing has been completely removed.
In case of irregular breathing or respiratory arrest provide artificial respiration. (Contd. on page
USA

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Seek îmmedia After skin co Immediately v Seek immedia After eye cor After swallov Information f	air. If required, provide artificial respiration. Keep patient warm. Ite medical advice. Itact Itash with water and soap and rinse thoroughly. Ite medical advice. Itact Rinse opened eye for several minutes under running water. Then consult a doctor. Itact no not induce vomiting; immediately call for medical help.	(Contd. of page 1)
If this product Carbon mono Toxic metal o: Advice for fir Protective eq Wear self-con	g media nguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foarr rds arising from the substance or mixture is involved in a fire, the following can be released: xide and carbon dioxide xide fume efighters).
Personal pre Wear protecti Ensure adequ Environment Methods and Dispose of co Ensure adequ Prevention o Reference to See Section 7 See Section 8	release measures cautions, protective equipment and emergency procedures ve equipment. Keep unprotected persons away. ate ventilation al precautions: Do not allow material to be released to the environment without proper governmental permits. material for containment and cleaning up: ntaminated material as waste according to section 13. tate ventilation. f secondary hazards: No special measures required. other sections for information on safe handling for information on personal protection equipment. 3 for disposal information.	
Keep containe Store in cool. Ensure good Open and har Information a Storage Requirement Information a Further infor Keep containe Store in cool.	Ind storage for safe handling rr tightly sealed. dry place in tightly closed containers. rentilation at the workplace. rentilation at the workplace. rentilation at the workplace. rentilation at the workplace. rentilation against explosions and fires: No information known. For safe storage, including any incompatibilities s to be met by storerooms and receptacles: No special requirements. rentilout storage in one common storage facility: Store away from oxidizing agents. rentilout storage conditions: rentightly sealed. dry conditions in well sealed containers. use(s) No further relevant information available.	
Additional in Properly oper Components Arsenic, orgai	ontrols/personal protection formation about design of technical systems: ating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. with limit values that require monitoring at the workplace: nic compounds (as As) mg/m3 0.5	
Control para	neters with limit values that require monitoring at the workplace:	
603-32-7 Trip	henylarsine (100.0%)	
	Long-term value: 0.5 mg/m³ as As	
	Long-term value: 0.01 mg/m³ as As; BEI Short-term value: 0.05 mg/m³ Long-term value: 0.01 mg/m³	
Additional in	as Ăs formation: No data	
Exposure co Personal prot General prot The usual pre Keep away fro Remove all so Wash hands I Store protecti Maintain an e. Breathing eq Protection of Impervious gl Check protecti The selection	ntrols tective equipment ective and hygienic measures cautionary measures for handling chemicals should be followed. om foodstuffs, beverages and feed. oiled and contaminated clothing immediately. oefore breaks and at the end of work. ve clothing separately. rgonomically appropriate working environment. uipment: Use self-contained respiratory protective device in emergency situations.	(Contd. on page 3)

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Eye protection: Safety glasses Body protection: Protective work clothing. (Contd. of page 2)

Body protection: Trotective work cloth	<i>''9.</i>		
9 Physical and chemical properties	3		
Information on basic physical and ch	emical properties		
General Information Appearance:			
Form:	Powder or lump		
Color: Odor:	White Not determined		
Odor threshold:	Not determined.		
pH-value:	Not applicable.		
Change in condition Melting point/Melting range:	58-62 °C (136-144 °F)		
Boiling point/Boiling range:	360 °C (680 °F)		
Sublimation temperature / start:	Not determined		
Flash point: Flammability (solid, gaseous)	265 °C (509 °F) Not determined.		
Ignition temperature: Decomposition temperature:	Not determined Not determined		
Auto igniting:	Not determined.		
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.		
Explosion limits: Lower:	Not determined		
Upper:	Not determined		
Vapor pressure: Density:	Not applicable. Not determined		
Relative density Vapor density	Not determined. Not applicable.		
Evaporation rate	Not applicable.		
Solubility in / Miscibility with Water:	Insoluble		
Partition coefficient (n-octanol/water) Viscosity:	: Not determined.		
dynamic:	Not applicable.		
kinematic: Other information	Not applicable. No further relevant information available.		
Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Toxic metal oxide fume			
 11 Toxicological information Information on toxicological effects Acute arsenic poisoning from ingestion results in marked irritation of the stomach and intestines with nausea, vomiting and diarrhea. In severe cases, the vomitus and stools are bloody and the paison or diarrhea. 			
12 Ecological information			
	her relevant information available. relevant information available. rmation available.		

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(Contd. of page 3) Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. May cause long lasting harmful effects to aquatic life. Avoid transfer into the environment. Very toxic for aquatic organisms Results of PBT and vPvB assessment **PBT:** Not applicable. **vPvB:** Not applicable Other adverse effects No further relevant information available. 13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. 14 Transport information UN-Number DOT, IMDG, IATA UN3465 UN proper shipping name DOT Organoarsenic compound, solid, n.o.s. (Triphenylarsine) ORGANOARSENIC COMPOUND, SOLID, N.O.S. (Triphenylarsine) ĨMDG, IATA Transport hazard class(es) DOT Class 6.1 Toxic substances 6.1 6.1 (T3) Toxic substances Label Class Label IMDG, IATA 6.1 Toxic substances. 6.1 Class Label Packing group DOT, IMDG, IATA 111 Environmental hazards: Environmentally hazardous substance, solid Warning: Toxic substances Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": UN3465, Organoarsenic compound, solid, n.o.s. (Triphenylarsine), 6.1, III 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms GHS06 Signal word Danger Hazard statements H301+H331 Toxic if swallowed or if inhaled. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/... P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311 Call a POISON CENTER/doctor/... P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/interr P405 P501 Dispose of contents/container in accordance with local/regional/national/international regulations. National regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. SARA Section 313 (specific toxic chemical listings) 603-32-7 Triphenylarsine California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. This product contains arsenic and is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.

(Contd. on page 5)

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(Contd. of page 4) The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the Detectment is emust be observed.

Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing SDS: Global Marketing Department
Date of preparation / last revision 11/23/2015 /
Abbreviations and acronyms:

RID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transport des marchandises dustances
ENECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
VPWE very Persistent and very Bioaccumulative
ACGIH: American Colorefree of Governmental Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
IMP: National Toxicology Program (USA)
IARC: International Zafety (USA)
IARC: International Agency for Research on Cancer
EPA: Environmental Protection Agency (USA)