

Safety Data Sheet per OSHA HazCom 2012

1 Identification Product identifier

Product identifier
Product name: trans,trans-2,4-Decadienal
Stock number: CAS Number: 25152-84-5
EC number:
246-668-9 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
Alfa Aesar Thermo Fisher Scientific Chemicals, Inc.
30 Bond Street
Ward Hill, MA 01835-8099 Tel: 800-343-0660
Fax: 800-322-4757 Email: tech@alfa.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)
GHS07
Skin Irrit. 2 H315 Causes skin irritation.
Eve Irrit. 2A H319 Causes serious eve irritation.
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
GHS07
Signal word Warning Hazard statements H315 Causes skin irritation.
H319 Causes serious eye irritation. Precautionary statements
P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P362 Take off contaminated clothing. P321 Specific treatment (see on this label). P322 P342
P337+P313 If eye irritation persists: Get medical advice/attention. WHMIS classification
D2B - Toxic material causing other toxic effects
$(\mathbf{I})$
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
HEALTH I Health (acute effects) = 1 FIRE I 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:
25152-84-5 trans,trans-2,4-Decadienal Identification number(s):
EC number: 246-668-9
4 First-aid measures
Description of first aid measures
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. <b>After skin contact</b>
Immediately wash with water and soap and rinse thoroughly.
Seek immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
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After swallowing Seek medical treatmer	nt.	(Contd. of page 1)	
Most important symptoms and effects	both acute and delayed No further relevant information available. ttention and special treatment needed No further relevant information available.		
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon of Special hazards arising from the subsi If this product is involved in a fire, the foll Carbon monoxide and carbon dioxide Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. <b>tance or mixture</b> owing can be released:		
6 Accidental release measures Personal precautions, protective equip Wear protective equipment. Keep unprote Ensure adequate ventilation Environmental precautions: Do not allo Methods and material for containment Prevention of secondary hazards: No s Reference to other sections See Section 7 for information on safe han See Section 8 for information on persona See Section 13 for disposal information.	ected persons away. The environment without proper governmental permits. and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, say special measures required. adling	vdust).	
7 Handling and storage Handling Precautions for safe handling Handle under dry protective gas. Keep container tightly sealed. Ensure good ventilation at the workplace. Information about protection against e Conditions for safe storage, including Storage Requirements to be met by storeroom. Information about storage in one comu Store away from oxidizing agents. Store away from air. Protect from heat. Further information about storage com Store under dry inert gas. This product is air sensitive. Keep container tightly sealed. Refrigerate Specific end use(s) No further relevant i	xplosions and fires: No information known. any incompatibilities s and receptacles: Refrigerate mon storage facility: ditions:		
<ul> <li>8 Exposure controls/personal protection</li> <li>Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.</li> <li>Control parameters</li> <li>Components with limit values that require monitoring at the workplace: Not required.</li> <li>Additional information: No data</li> <li>Exposure controls</li> <li>Personal protective equipment</li> <li>General protective equipments for handling chemicals should be followed.</li> <li>Keep away from foodstuffs, beverages and feed.</li> <li>Remove all solied and contaminated clothing immediately.</li> <li>Wash hands before breaks and at the end of work.</li> <li>Avoid contact with the eyes and skin.</li> <li>Maintain an ergonomically appropriate working environment.</li> <li>Breathing equipment: Use suitable respirator when high concentrations are present.</li> <li>Protection of hands:</li> <li>Impervious gloves</li> <li>Check protective gloves prior to each use for their proper condition.</li> <li>The selection of suitable gloves not only depends on the material, but also on quality.</li> <li>Quality will vary from manufacturer to manufacturer.</li> <li>Penetration time of glove material (in minutes) Not determined</li> <li>Eye protection: Safety glasses</li> <li>Body protection: Protective work clothing.</li> </ul>			
9 Physical and chemical properties	-		
	Liquid Yellow Sweet Not determined.		
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Not determined. Not determined 10 °C (230 °F) (7 mmHg) Not determined		
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Product name: trans,trans-2,4-Dec	adienal				
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Flash point: Flammability (solid, gaseous)	101 °C (214 °F) Not determined.				
Ignition temperature:	Not determined				
Decomposition temperature: Auto igniting:	Not determined Not determined.				
Danger of explosion:	Product does not present an explosion hazard.				
Explosion limits:					
Lower: Upper:	Not determined Not determined				
Vapor pressure:	Not determined				
Density at 20 °C (68 °F): Relative density	0.872 g/cm³ (7.277 lbs/gal) Not determined.				
Vapor density	Not determined.				
Evaporation rate Solubility in / Miscibility with	Not determined.				
Water: Not miscible or difficult to mix					
Partition coefficient (n-octanol/water): Not determined. Viscosity:					
dynamic: kinematic:	Not determined.				
Other information	Not determined. No further relevant information available.				
10 Stability and reactivity					
Reactivity No information known. Chemical stability Stable under reco	mmended storage conditions				
Thermal decomposition / condition	<b>s to be avoided:</b> Decomposition will not occur if used and stored accor	rding to specifications.			
Possibility of hazardous reactions Conditions to avoid No further relev	<i>Vo dangerous reactions known</i> ant information available				
Incompatible materials:					
Oxidizing agents Air					
Heat	Carbon manavida and parban diavida				
hazardous decomposition product	: Carbon monoxide and carbon dioxide				
11 Toxicological information					
Information on toxicological effects					
Acute toxicity: No effects known. LD/LC50 values that are relevant for	r classification: No data				
Skin irritation or corrosion: Causes	skin irritation.				
Eye irritation or corrosion: Causes	serious eye irritation.				
Sensitization: No sensitizing effects Germ cell mutagenicity: No effects	nown.				
Carcinogenicity: No classification da	Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.				
Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known.					
Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known.					
Subacute to chronic toxicity: No effects known.					
Additional toxicological informatio	<b>:</b> To the best of our knowledge the acute and chronic toxicity of this su	bstance is not fully known.			
12 Ecological information					
Toxicity					
Aquatic toxicity: No further relevant information available.					
Persistence and degradability No fu Bioaccumulative potential No furthe	rther relevant information available. r relevant information available.				
Mobility in soil No further relevant information available.					
Additional ecological information: General notes:					
Do not allow material to be released to the environment without proper governmental permits.					
Avoid transfer into the environment. Results of PBT and vPvB assessment					
PBT: Not applicable.					
Other adverse effects No further rele	vant information available.				
13 Disposal considerations					
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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.					
Recommendation. Disposal must be	made decording to omotal regulations.				
14 Transport information	ation				
Not a hazardous material for transpor	auon.				
UN-Number DOT, IMDG, IATA	None				
UN proper shipping name DOT, IMDG, IATA					
	None				
Transport hazard class(es)					
DOT, ADR, IMDG, IATA Class	None				
Packing group	INONE				
DOT, IMDG, IATA	None				
Environmental hazards:	Not applicable.				
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