



1 Identification Product identifier Product name: 4-(Methylsulfonyl)phenol Stock number: H32935 CAS Number: 14763-60-1 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 Alla Aesai Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 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. Eye Irrit. 2A H319 Causes serious eye irritation. STOT SE 3 H335 May cause respiratory 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. H335 May cause respiratory irritation. Precautionary statements P280 Woor protocting of P280 Wear protective gloves. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. WHMIS classification D2B - Toxic material causing other toxic effects Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Health (acute effects) = 1 Flammability = 1 Y [] 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: 14763-60-1 4-(Methylsulfonyl)phenol 4 First-aid measures Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special freatment needed No further relevant information available.

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Product name: 4-(Methylsulfonyl)phenol			
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5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon Special hazards arising from the subs If this product is involved in a fire, the fol Carbon monoxide and carbon dioxide Sulfur oxides (SOx) 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. stance or mixture lowing can be released:		
6 Accidental release measures Personal precautions, protective equi Wear protective equipment. Keep unpro- Ensure adequate ventilation Environmental precautions: Do not all Methods and material for containment Prevention of secondary hazards: No Reference to other sections See Section 7 for information on safe ha See Section 8 for information on persona See Section 13 for disposal information.	tected persons away. ow material to be released to the environment without proper governmental permits. t and cleaning up: Ensure adequate ventilation. special measures required.		
7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry place in formation available.			
8 Exposure controls/personal protection 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. Control parameters Components with limit values that require monitoring at the workplace: Not required. Additional information: No data Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and a the end of work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Penetration time of glove material (in minutes) Not determined Eye protection: Safety glasses Body protection: Protective, protection, Protection of hands: Protection in Safety glasses			
9 Physical and chemical properties			
Information on basic physical and che General Information Appearance: Form: Color: Odor: Odor threshold:			
pH-value:	Not applicable.		
pr-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	90-95 °C (194-203 °F) Not determined Not determined		
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	Not applicable Not determined. Not determined Not determined Not determined.		
Danger of explosion: Explosion limits: Lower:	Product does not present an explosion hazard. Not determined	(Contd. on page 3)	

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Product name: 4-(MethyIsulfonyI)phenol

Product name: 4-(Methylsulfonyl)	ohenol	
		(Contd. of page 2)
Upper:	Not determined	
Vapor pressure: Density:	Not applicable. Not determined	
Relative density	Not determined.	
Vapor density Evaporation rate	Not applicable. Not applicable.	
Solubility in / Miscibility with		
Water: Partition coefficient (n-octanol/wat Viscosity:		
dynamic: kinematic:	Not applicable. Not applicable.	
Other information	No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known		
Chemical stability Stable under reco	mmended storage conditions.	
Possibility of hazardous reactions	is to be avoided: Decomposition will not occur if used and stored according to specifications. No dangerous reactions known	
Conditions to avoid No further relev	rant information available.	
Incompatible materials: Oxidizing a Hazardous decomposition product	jents s :	
Carbon monoxide and carbon dioxide) 	
Sulfur oxides (SOx)		
11 Toxicological information		
Information on toxicological effects Acute toxicity: No effects known.	\$	
LD/LC50 values that are relevant for	r classification:	
Oral LD50 3160 mg/kg (rat)	abin twitation	
Skin irritation or corrosion: Causes Eye irritation or corrosion: Causes	serious eve irritation.	
Sensitization: No sensitizing effects	known. known. ata on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACC	
Germ cell mutagenicity: No effects Carcinogenicity: No classification da	known. ata on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or AC(ЭIH.
Reproductive toxicity: No effects kr	IOWN.	
Specific target organ system toxici Specific target organ system toxici	i ty - repeated exposure: No effects known. i ty - single exposure: May cause respiratory irritation.	
Aspiration hazard: No effects known	1.	
Subacute to chronic toxicity: No ef	fects known. n: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant	information available.	
Persistence and degradability No fil	urther relevant information available.	
Bioaccumulative potential No furthe Mobility in soil No further relevant in	if relevant information available. formation available	
Additional ecological information:		
General notes:	to the environment without proper governmental permits.	
Avoid transfer into the environment.		
Results of PBT and vPvB assessm PBT: Not applicable.	ent	
vPvB: Not applicable.		
Other adverse effects No further rel	evant information available.	
13 Disposal considerations		
Waste treatment methods	al an matienal namelations to another and diseased	
Uncleaned packagings:	al or national regulations to ensure proper disposal.	
Recommendation: Disposal must be	e made according to official regulations.	
14 Transport information		
Not a hazardous material for transpor	tation.	
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 DOT, IMDG, IATA	Maria	
DOT, IMDG, IATA Environmental hazards:	None Not applicable.	
Special precautions for user	Not applicable. nex II of MARPOL73/78 and the IBC Code Not applicable.	
Transport in bulk according to Ann Transport/Additional information:		
DOT	Not dangerous according to the above specifications.	
Marine Pollutant (DOT):	No	
		- USA

Product name: 4-(Methylsulfonyl)phenol

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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



Signal word Warning Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements P280 Wear protective gloves. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. National regulations

National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. SARA Section 313 (specific toxic chemical listings) Substance is not listed. 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. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male Substance is not listed. Prop 65 - Developmental toxicity male 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. Other regulations, limitations and prohibitive regulations

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. 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 market and use must 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 11/24/2015 / 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)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO: Thermational Air Transport align of preparation
ICAO: Thermational Anitime Code for Dangerous Goods by Rail)
IMG: International Anitime Code for Dangerous Goods BOOL
IDG: International Anitime Code for Dangerous Goods
DOT: US Department of Transportation
ICAO: Thermational Air Transport Association
ICAO: Thermational Air Transport Association
ICAO: Thermational Anitime Code for Dangerous Goods
DOT: US Department of Transportation
ICAO: Hitemational Anitime Code for Dangerous Goods
DOT: US Department of Transportation
ICAO: Hitemational Anitime Code for Dangerous Goods
DOT: US Department of Transportation
ICAO: Hitemational Air Transport Association
ICAO: Hitemational Air Transport Association
ICAO: US Department of Transportation
ICAO: Hitemational Air Transport Association
ICAO: US Department of Transportation
ICAO: Hitemational Air Transport Association
ICAO: Concerning the International System (ICAO)
IMIG: International Air Transport Association
ICAO: Concerning the International Air Transport Association
ICAO: Concerning the International Concerning the International Air Transport Association
ICAO: Concerning the International Air Transport Association
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