

Safety Data Sheet per OSHA HazCom 2012

Veniewed 01/03	<i>wzz/2000</i>
1 Identification	
Product identifier Product name: 2,3,6-Trifluorobenzoic acid	
Stock number: B20666, L09631	
CAS Number: 2358-29-4	
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 Thermon 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.	
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	
\wedge	
GHS07	
Signal word Warning Hazard statements	
H315 Causes skin irritation. H319 Causes serious eye irritation.	
H335 May cause respiratory irritation. Precautionary statements	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. 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. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
WHMIS classification	
D2B - Toxic material causing other toxic effects	
\oplus	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH I Health (acute effects) = 1 FIRE I Flammability = 1	
REACTIVITY 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:	
2358-29-4 2,3,6-Trifluorobenzoic acid	
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.	on page 2)
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Ignition temperature: Not determined Decomposition temperature: Not determined			
	Ignition temperature:	Not determined	
USA			(Contd. on page 3)
			USA -

Product name: 2,3,6-Trifluorobenzoic acid

		(Contd. of page 2)
Auto igniting:	Not determined.	(= 5.1.0. 5) page 2,
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower: Upper:	Not determined Not determined	
Vapor pressure:	Not applicable.	
Density:	Not determined	
Relative density Vapor density	Not determined. Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
Water: Partition coefficient (n-octanol/wat	Not determined	
Viscosity:	er), Not determined.	
dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under reco	ommended storage conditions.	
Thermal decomposition / condition	ommended storage conditions. Is to be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions Conditions to avoid No further relev	No dangerous reactions known	
Incompatible materials: Oxidizing a	ant mornation available. gents	
Hazardous decomposition product Carbon monoxide and carbon dioxide	ĭs:	
Carbon monoxide and carbon dioxide Hydrogen fluoride		
nyarogen nuonue		
11 Toxicological information		
Information on toxicological effect	S	
Acute toxicity: No effects known.		
LD/LC50 values that are relevant for		
Skin irritation or corrosion: Causes Eye irritation or corrosion: Causes		
Sensitization: No sensitizing effects	known.	
Sensitization: No sensitizing effects Germ cell mutagenicity: No effects	known.	
Carcinogenicity: No classification da	ata on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Reproductive toxicity: No effects kr	nown. i ty - repeated exposure: No effects known.	
Specific target organ system toxic	ity - single exposure: May cause respiratory irritation.	
Aspiration hazard: No effects know		
Subacute to chronic toxicity: No ef	fects known.	
Additional toxicological informatio	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 f	urther relevant information available.	
Bioaccumulative potential No furthe Mobility in soil No further relevant in	er 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.	e quantities to reach ground water, water course or sewage system.	
Results of PBT and vPvB assessm	ent	
PBT: Not applicable.		
vPvB: Not applicable.	avant information available	
Other adverse effects No further rel	בימות וווטווומנוטוו מימוומטוב.	
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state. loc	al or national regulations to ensure proper disposal.	
Uncleaned packagings:	e made according to official regulations.	
Recommendation. Disposal must be	e made according to official regulations.	
14 Transport information Not a hazardous material for transpor		
Not a hazardous material for transpor	rtation.	
UN-Number		
DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es)	Νύπο	
DOT, ADR, IMDG, IATA Class	None	
	nono	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
	nex II of MARPOL73/78 and the IBC Code Not applicable.	
Transport in burk according to Ann Transport/Additional information:		
	Not dangerous according to the above specifications.	(Contd. on page
		UUUIIIU. UII page 4

(Contd. on page 4)

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Page 4/4 Printing date 11/23/2015 Reviewed on 03/22/2006

	(Contd. of page
DOT Marine Pollutant (DOT):	No
5 Degulatory information	
5 Regulatory information Safety, health and environmental regulatior GHS label elements The product is classified Hazard pictograms	ns/legislation specific for the substance or mixture I and labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
P405 Store locked up. P501 Dispose of contents/contair National regulations This product is not listed in the U.S. Environme to research and development only. This produc product must not be used for commercial purpe SARA Section 313 (specific toxic chemical California Proposition 65 Prop 65 - Chemicals known to cause cance Prop 65 - Developmental toxicity, semale Su Prop 65 - Developmental toxicity, male Subs Information about limitation of use: For use Other regulations, limitations and prohibitiv Substance of Very High Concern (SVHC) ac	er Substance is not listed. e is not listed. ubstance is not listed. stance is not listed.
Substance is not listed.	<i>iring Authorisation for use)</i> Substance is not listed. afety Assessment has not been carried out.
information to ensure proper use and protect th conformance with this Material Safety Data Sh	a supplement to other information gathered by them, and should make independent judgement of suitability of this The health and safety of employees. This information is furnished without warranty, and any use of the product not in The product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing L Date of preparation / last revision 11/23/201 Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Ahr Transport Association CAS: Chemical Abstracts Service (division of the American CI HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System LC50: Lethal dose, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conterence of Governmental Industrial Hyp OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	Chemical Society) n (Canada)