



Revie	ewed on 12/12/2013
1 Identification	
Product identifier	
Product name: <u>Puerarin</u>	
Stock number: J66528 CAS Number: 3681-99-0	
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 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	3-0789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) The substance is not classified according to the Globally Harmonized System (GHS). Hazards not otherwise classified No information known.	
Label elements GHS label elements Not applicable Hazard pictograms Not applicable	
Hazard pictograms Not applicable Signal word Not applicable Hazard statements Not applicable WHMIS classification Not controlled	
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH \blacksquare Health (acute effects) = 1 FIRE \blacksquare Flammability = 1	
REACTIVITY Physical Házard = 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: 3681-99-0 Puerarin	
4 First-aid measures	
Description of first aid measures After inhalation Supply freeh of it is it required provide artificial reasirction. Keen notions werm	
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 treatment needed No further relevant information available.	
5 Fire-fighting measures	
Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide).
Carbon monoxide and carbon dioxide Advice for firefighters Protective equipment: Wear self-contained respirator.	
Wear fully protective impervious suit.	
6 Accidental release measures	
Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.	
Ensure adequate ventilation Environmental precautions: Do not allow product to reach sewage system or any water course. Mothed and material for containment and cleaning up, Dick up materially	
Methods and material for containment and cleaning up: Pick up mechanically. Prevention of secondary hazards: No special measures required.	
Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment.	
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See Section 13 for disposal information

See Section 13 for disposal information.		(Conta. of page 1)
7 Handling and storage		
	explosions and fires: No information known.	
Information about storage in one con Further information about storage co Keep container tightly sealed. Store in cool, dry conditions in well seal	ns and receptacles: No special requirements. Imon storage facility: Store away from oxidizing agents. Inditions: ed containers.	
Specific end use(s) No further relevant	information available.	
8 Exposure controls/personal prote Additional information about design Properly operating chemical fume hood		
Control parameters Components with limit values that red The product does not contain any releva Additional information: No data	quire monitoring at the workplace: ant quantities of materials with critical values that have to be monitored at the workplace.	
Protection of hands: Impervious aloves	andling chemicals should be followed. and feed. thing immediately. nd of work. vorking environment. spirator when high concentrations are present.	
Check protective gloves prior to each us The selection of suitable gloves not only Penetration time of glove material (in Eye protection: Safety glasses Body protection: Protective work cloth	se for their proper condition. / depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined ing.	
9 Physical and chemical properties	3	
Information on basic physical and ch General Information	emical properties	
Appearance: Form:	Powder	
Color:	White to off-white	
Odor: Odor threshold:	Not determined Not determined.	
pH-value:	Not applicable.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	187-189 °C (369-372 °F) Not determined Not determined Not determined Not determined	
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits: Lower:	Not determined. Not determined	
Upper:	Not determined	
Vapor pressure:	Not applicable. Not determined	
Density: Relative density	Not determined.	
Vapor density Evaporation rate	Not applicable. Not applicable.	
Solubility in / Miscibility with		
Water: Partition coefficient (n-octanol/water) Viscosity:	Not determined : 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 recom	mended storage conditions.	

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 Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide

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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 use Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and accoryms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DOT: US Department of Transportation 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 LD50: Lethal concentration, 50 percent LD50: Lethal concentration of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

USA