

MATERIAL SAFETY DATA SHEET

1.	<u>Identification of the substances or preparation and of the company</u>
1.1	Identification of the preparation: Formula 90
1.2	Company identification: Chemspec Europe Unit 36C, Tong Park Otley Road, Baildon West Yorkshire BD17 7QD UK Tel: 01274 597333 Fax: 01274 597444
1.3	Emergency telephone number, official advisory bodies:
1.3.1	For medical emergency call Chemtrec at 00-1-703 527-3887
2.	<u>Composition/Information on ingredients</u>
2.1	Chemical description: Nonionic surfactant, chelating agent, anti-foamer, fragrance
2.2	Hazardous ingredients: Disodium Metasilicate, Trisodium Nitrilotriacetate.
3.	<u>Hazards identification</u>
3.1	To man: Contains Trisodium Nitrilotriacetate which is considered to be a possible carcinogen by NTP. May cause burns to eyes and skins.
3.2	To the environment: None known.
4.	<u>First aid measures</u>
4.1	Inhalation: Remove to fresh air. If symptoms persist consult physician.
4.2	Eye contact: Flush with water for at least 15 minutes.
4.3	Skin contact: Thoroughly wash exposed skin with soap and water.
4.4	Ingestion: Drink plenty of water. Consult physician.
4.5	Special: Treatment based on judgment of attending physician.
5.	<u>Fire-fighting measures</u>
5.1	Suitable extinguishing media: Water, Carbon dioxide, foam.
5.2	Extinguishing media which must not be used: None known.
5.3	Special exposure hazards: Possibly oxides of carbon and nitrogen aldehydes, ketones and other unidentified compounds.
5.4	Special protection equipment for fire-fighters: Self-contained positive pressure breathing apparatus and protective clothing.
6.	<u>Accidental release measures</u>
6.1	Personal precautions: Prevent eye and skin contact.
6.2	Environmental precautions: Dispose of according to local regulations.
6.3	Methods of cleaning up: Sweep or vacuum up and dispose according to regulations.

7.	<u>Handling and storage</u>	
7.1	Handling:	Prevent eye and skin contact.
7.2	Storage:	Keep container tightly closed.
7.2.2	Incompatible storage:	None known.
7.2.3	Other:	None known.
8.	<u>Exposure controls/personal protection</u>	
	Please use common sense when handling this product.	
8.1	Respiratory protection:	Use local exhaust or dilution ventilation.
8.2	Hand protection:	Gloves recommended.
8.3	Eye protection:	Safety glasses recommended
8.4	Skin protection:	Use body covered clothing.
8.5	Working hygiene:	Take usual precautions when handling
9.	<u>Physical and chemical properties</u>	
9.1.1	Appearance:	Free flowing powder.
9.1.2	Color:	Yellow.
9.1.3	Odor:	Citrus.
9.2	pH (as used):	10.0-11.0
9.3	Boiling point/Boiling range:	n. ap.
9.4	Bulk Density:	0.60-0.65 g/cc
9.5	Wt/Gal:	n. ap.
9.6	Flash point:	n. ap.
9.7	Inflammation:	n. av.
10.	<u>Stability and reactivity</u>	
10.1	Conditions to avoid:	None known.
10.2	Materials to avoid:	Concentrated acids.
10.3	Hazardous decomposition of materials:	See point 5.3.
11.	<u>Toxicological information</u>	
11.1	Acute toxicity:	n. av.
11.2	Acute oral toxicity: LD50 rat:	n. av.
11.3	Chronic effects:	n. av.
11.4	Sensitization:	n. av.
11.5	Carcinogenicity:	Contains Trisodium Nitrioltriacetate which is listed as a possible carcinogen by IARC and NTP.
11.6	Mutagenicity:	n. av.
11.7	Reproductive toxicity:	n. av.
11.8	Narcotic effects:	n. av.

Formula 90 Powder

12.	<u>Ecological information</u>	
12.1	Water-Hazard class:	None(U.S.)
12.2	Biodegradability:	Biodegradable.
12.3	Bio-accumulation:	n. av.
12.4	Aquatic toxicity:	n. av.
12.5	Other relevant ecological information:	Small quantities considered to be harmless.
13.	<u>Disposal</u>	
13.1	Refer to local regulations.	
14.	<u>Transport information:</u>	
	Corrosive, UN #1759, INST #822, IMDG #8166-1.	
15.	<u>Regulations</u>	
15.1	Symbol:	Corrosive
15.2	R-Sentences:	C;R34
15.3	S-Sentences:	S2, S24, S25, S26, S37, S39
16.	Other Information	
	DISCLAIMER OF LIABILITY	
	<p>The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.</p>	

n.ap = not applicable

n.av = not available