



KIS

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CHEMICAL SAFETY & HANDLING MODULE V.2

2021

SAFETY RULES

for workplace chemicals



- Consider **ALL** chemicals as hazardous
- Read label directions and **Safety Data Sheets (SDS)** prior to use
- **NEVER** MIX OR DECANT CHEMICALS
- Take note of the **colour** and **characteristics** of the chemical products
- Wear **Personal Protective Equipment (PPE)** as per the SDS such as safety glasses, suitable gloves when handling workplace chemicals

SAFETY DATA SHEETS



- Safety Data Sheets (SDS) contain vital information for the user of workplace chemicals and should be **conveniently located** and accessible by all staff
- SDS Information includes:
 - Chemical identity
 - Composition
 - First Aid
 - Emergency procedures
 - Appropriate PPE to wear

The image displays three overlapping Safety Data Sheet (SDS) forms for different KIS products. Each form includes the following sections:

- Section 1 - Identification of The Material and Supplier:** Product Name, Trade Name, Chemical Nature, Product Use, Creation Date, This version issued, and Poisons Information Centre details.
- Statement of Hazardous Nature:** Classification according to Australian Dangerous Goods (ADG) Code, IATA, and IMDG/MSBC criteria.
- Risk Phrases:** Hazardous statements such as H220, H302, H314, H332, H336, H410, H411, H412, H413, H414, H415, H416, H417, H418, H419, H420, H421, H422, H423, H424, H425, H426, H427, H428, H429, H430, H431, H432, H433, H434, H435, H436, H437, H438, H439, H440, H441, H442, H443, H444, H445, H446, H447, H448, H449, H450, H451, H452, H453, H454, H455, H456, H457, H458, H459, H460, H461, H462, H463, H464, H465, H466, H467, H468, H469, H470, H471, H472, H473, H474, H475, H476, H477, H478, H479, H480, H481, H482, H483, H484, H485, H486, H487, H488, H489, H490, H491, H492, H493, H494, H495, H496, H497, H498, H499, H500, H501, H502, H503, H504, H505, H506, H507, H508, H509, H510, H511, H512, H513, H514, H515, H516, H517, H518, H519, H520, H521, H522, H523, H524, H525, H526, H527, H528, H529, H530, H531, H532, H533, H534, H535, H536, H537, H538, H539, H540, H541, H542, H543, H544, H545, H546, H547, H548, H549, H550, H551, H552, H553, H554, H555, H556, H557, H558, H559, H560, H561, H562, H563, H564, H565, H566, H567, H568, H569, H570, H571, H572, H573, H574, H575, H576, H577, H578, H579, H580, H581, H582, H583, H584, H585, H586, H587, H588, H589, H590, H591, H592, H593, H594, H595, H596, H597, H598, H599, H600, H601, H602, H603, H604, H605, H606, H607, H608, H609, H610, H611, H612, H613, H614, H615, H616, H617, H618, H619, H620, H621, H622, H623, H624, H625, H626, H627, H628, H629, H630, H631, H632, H633, H634, H635, H636, H637, H638, H639, H640, H641, H642, H643, H644, H645, H646, H647, H648, H649, H650, H651, H652, H653, H654, H655, H656, H657, H658, H659, H660, H661, H662, H663, H664, H665, H666, H667, H668, H669, H670, H671, H672, H673, H674, H675, H676, H677, H678, H679, H680, H681, H682, H683, H684, H685, H686, H687, H688, H689, H690, H691, H692, H693, H694, H695, H696, H697, H698, H699, H700, H701, H702, H703, H704, H705, H706, H707, H708, H709, H710, H711, H712, H713, H714, H715, H716, H717, H718, H719, H720, H721, H722, H723, H724, H725, H726, H727, H728, H729, H730, H731, H732, H733, H734, H735, H736, H737, H738, H739, H740, H741, H742, H743, H744, H745, H746, H747, H748, H749, H750, H751, H752, H753, H754, H755, H756, H757, H758, H759, H760, H761, H762, H763, H764, H765, H766, H767, H768, H769, H770, H771, H772, H773, H774, H775, H776, H777, H778, H779, H780, H781, H782, H783, H784, H785, H786, H787, H788, H789, H790, H791, H792, H793, H794, H795, H796, H797, H798, H799, H800, H801, H802, H803, H804, H805, H806, H807, H808, H809, H810, H811, H812, H813, H814, H815, H816, H817, H818, H819, H820, H821, H822, H823, H824, H825, H826, H827, H828, H829, H830, H831, H832, H833, H834, H835, H836, H837, H838, H839, H840, H841, H842, H843, H844, H845, H846, H847, H848, H849, H850, H851, H852, H853, H854, H855, H856, H857, H858, H859, H860, H861, H862, H863, H864, H865, H866, H867, H868, H869, H870, H871, H872, H873, H874, H875, H876, H877, H878, H879, H880, H881, H882, H883, H884, H885, H886, H887, H888, H889, H890, H891, H892, H893, H894, H895, H896, H897, H898, H899, H900, H901, H902, H903, H904, H905, H906, H907, H908, H909, H910, H911, H912, H913, H914, H915, H916, H917, H918, H919, H920, H921, H922, H923, H924, H925, H926, H927, H928, H929, H930, H931, H932, H933, H934, H935, H936, H937, H938, H939, H940, H941, H942, H943, H944, H945, H946, H947, H948, H949, H950, H951, H952, H953, H954, H955, H956, H957, H958, H959, H960, H961, H962, H963, H964, H965, H966, H967, H968, H969, H970, H971, H972, H973, H974, H975, H976, H977, H978, H979, H980, H981, H982, H983, H984, H985, H986, H987, H988, H989, H990, H991, H992, H993, H994, H995, H996, H997, H998, H999, H1000.
- Prevention:** Measures to avoid or minimize exposure.
- Response:** First aid measures and actions to be taken in case of release.
- Storage:** Conditions for safe storage.
- Disposal:** Methods for safe disposal.
- Physical Description & Colour:** Appearance and color.
- Inhalation:** Effects and first aid.
- Skin Contact:** Effects and first aid.
- Short Term Exposure:** Effects and first aid.
- Long Term Exposure:** Effects and first aid.

The SDS is the **FIRST** point of reference when assessing workplace risk



PRODUCT SPECIFICATION SHEET

- Its important you first read and understand the Product Sheet prior to using the chemical
- Product Specification Sheet includes:
 - Product Name
 - Product Information & description
 - Product code
 - Directions for correct use and dilution
 - Technical data



FIRST AID



EYES

Hold your face under cool running water for **20 minutes** and allow the water stream to flood into your eyes.

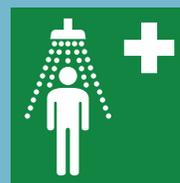
Use your fingers to hold your eyelids apart (make sure there is no trace of the chemical on your fingers)



INGESTION

DO NOT induce vomiting

Consult SDS for particular chemical specific first aid direction



SKIN CONTACT

Remove contaminated clothing and wash affected area **thoroughly** under cool running water



INHALATION

Remove to **fresh air**, if person is not breathing commence **CPR and call 000**

SEEK MEDICAL ATTENTION CALL 000



T.A.C.T

Important factors for best performance



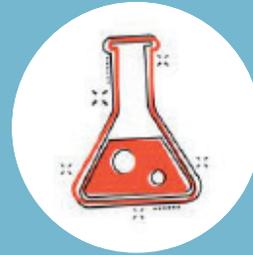
TEMPERATURE

An **increase** in temperature typically increases the **rate of reaction**



AGITATION

Scrubbing, water pressure, brushing, wiping all assist with loosening the grime



CONCENTRATION

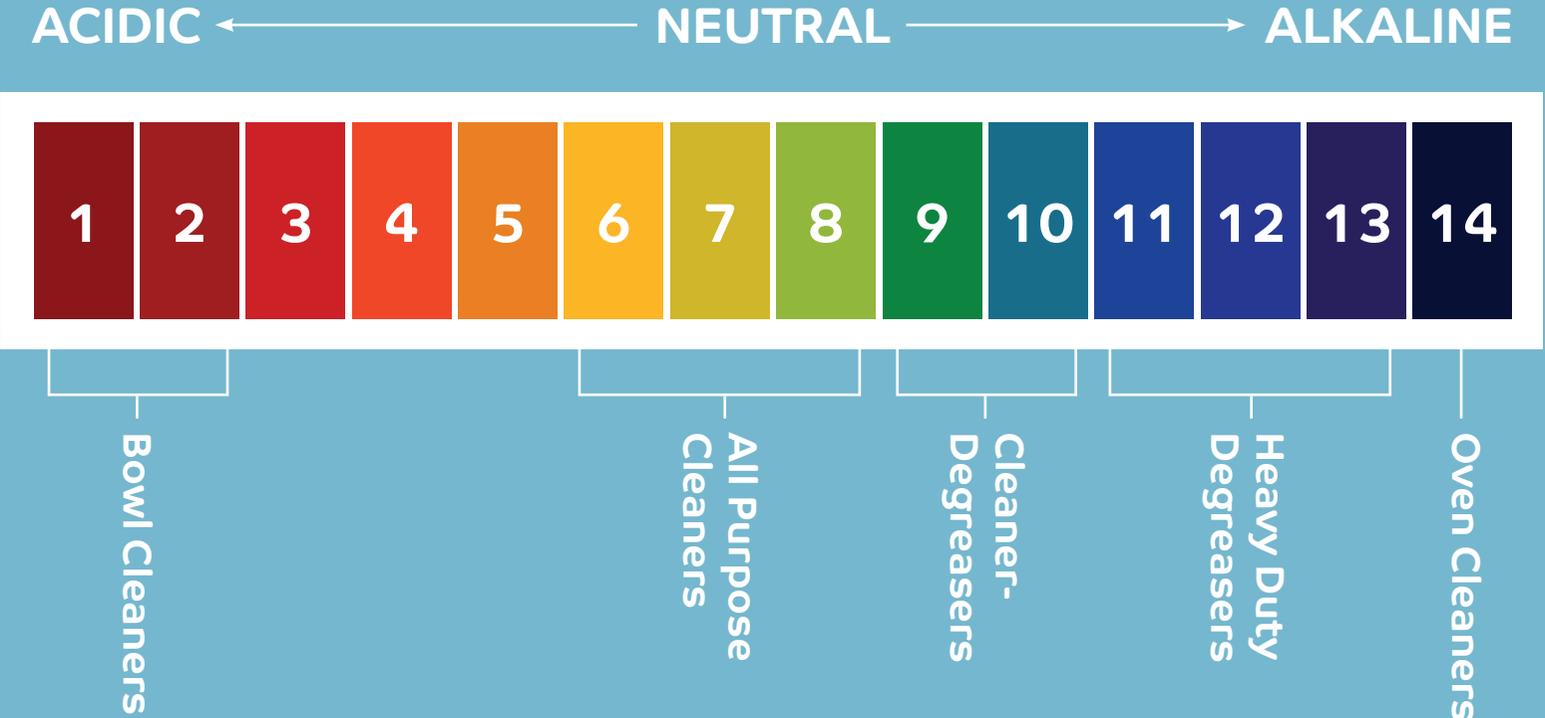
Different concentrations may be needed for different level of grime



TIME

Dwell time is important to allow for the chemical properties to do its job

pH SCALE



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